

In addition, as if this were not enough of an injury foisted on vulnerable Americans, the Trump administration has put forward a nominee for a seat on the Sixth Circuit Court of Appeals who made healthcare sabotage one of his top priorities at the Trump Justice Department. Chad Readler, currently the Deputy Assistant Attorney General, in my view, is the wrong choice to be a Federal judge.

Earlier this year, the Trump administration decided it just wanted to get out of the business of enforcing the rules that protect Americans with pre-existing conditions. In fact, it had to argue in court that it could abandon that essential part of the Affordable Care Act, which was still the law of the land the last time I looked. Who did the administration turn to when it needed to cook up a dubious legal argument that it had no obligation to enforce the law of the land? Chad Readler. In fact, three career attorneys from the Department of Justice looked at his argument, and they actually withdrew from the case. Three career lawyers from the Department of Justice refused to participate.

The Judiciary Committee held a hearing on Mr. Readler's nomination earlier this month. His nomination could be sent to the floor of the Senate in the coming weeks, but it ought to be clear that this is a nominee who is not an impartial individual who has the judicial temperament Americans expect. He is not somebody who ought to be handed a seat on the Federal bench and have the power to sign off on the Trump administration's agenda of healthcare sabotage.

I close with this. The Senate has an opportunity to stand up this week for the millions of vulnerable Americans who have these preexisting conditions, for the millions of Americans who under the Affordable Care Act can go to bed at night knowing that if they have preexisting conditions, they are not going to lose everything. I am serious when I talk about losing everything. Once you go back to discriminating against people with preexisting conditions, you are going to go back to job lock and all of the problems we saw associated with discrimination. If you were in Montana or if you were in Oregon and had a preexisting condition and you got offered a better job on the other side of town, you couldn't go get it because you would not be able to get coverage because there was discrimination against people with preexisting conditions.

This week the Senate is going to have an opportunity to stand up to the Trump administration and go to bat for the millions and millions of Americans who are watching this debate who have preexisting conditions and who are just counting on this body not to turn back the clock and leave them vulnerable again. Senator BALDWIN's resolution would prevent the Trump administration from bringing back the worst abuses of junk insurance. If it

doesn't pass this week, this will be an issue that, in my view, will come up again and again and again until it is fixed.

Finally, the Readler nomination, in my view, ought to be stopped in its tracks. The Senate ought to tell the administration that it is not going to rubberstamp judicial nominees who have proven, demonstrable track records of twisting the law in a way that harms the most vulnerable of our citizens.

I note that the majority leader is here.

I yield the floor.

MORNING BUSINESS

Mr. MCCONNELL. Mr. President, I ask unanimous consent that the Senate be in a period of morning business, with Senators permitted to speak therein for up to 10 minutes each.

The PRESIDING OFFICER. Without objection, it is so ordered.

(At the request of Mr. SCHUMER, the following statement was ordered to be printed in the RECORD.)

VOTE EXPLANATION

• Mr. BOOKER. Mr. President, I was necessarily absent for rollcall vote No. 224, on the motion to invoke cloture on the House message to accompany S. 3021.

On vote No. 224, had I been present, I would have voted yea. •

ARMS SALES NOTIFICATION

Mr. CORKER. Mr. President, section 36(b) of the Arms Export Control Act requires that Congress receive prior notification of certain proposed arms sales as defined by that statute. Upon such notification, the Congress has 30 calendar days during which the sale may be reviewed. The provision stipulates that, in the Senate, the notification of proposed sales shall be sent to the chairman of the Senate Foreign Relations Committee.

In keeping with the committee's intention to see that relevant information is available to the full Senate, I ask unanimous consent to have printed in the RECORD the notifications which have been received. If the cover letter references a classified annex, then such annex is available to all Senators in the office of the Foreign Relations Committee, room SD-423.

There being no objection, the material was ordered to be printed in the RECORD, as follows:

DEFENSE SECURITY
COOPERATION AGENCY,
Arlington, VA.

Hon. BOB CORKER,
Chairman, Committee on Foreign Relations,
U.S. Senate, Washington, DC.

DEAR MR. CHAIRMAN: Pursuant to the reporting requirements of Section 36(b)(1) of the Arms Export Control Act, as amended, we are forwarding herewith Transmittal No. 18-16, concerning the Air Force's proposed

Letter(s) of Offer and Acceptance to the Government of Kuwait for defense articles and services estimated to cost \$40.4 million. After this letter is delivered to your office, we plan to issue a news release to notify the public of this proposed sale.

Sincerely,

CHARLES W. HOOPER,
Lieutenant General, USA, Director.

Enclosures.

TRANSMITTAL NO. 18-16

Notice of Proposed Issuance of Letter of Offer Pursuant to Section 36(b)(1) of the Arms Export Control Act, as amended

(i) Prospective Purchaser: Government of Kuwait.

(ii) Total Estimated Value:

Major Defense Equipment* \$24.1 million.

Other \$16.3 million.

Total \$40.4 million.

(iii) Description and Quantity or Quantities of Articles or Services under Consideration for Purchase:

Major Defense Equipment (MDE):

One thousand twenty (1,020) Mk-82 500 lb. bombs.

One thousand two (1,002) Mk-83 1000 lb. bombs.

Six hundred (600) Mk-84 2000 lb. bombs.

Non-MDE: Also included in the sale are general purpose bomb components and fuzes, support and test equipment, publications and technical documentation, personnel training and training equipment, transportation, facilities and construction, U.S. Government and contractor technical and logistics support services, and other related elements of logistic and program support.

(iv) Military Department: Air Force (KU-D-AAC).

(v) Prior Related Cases, if any: KU-P-AAV (Navy/1992)—\$22M.

(vi) Sales Commission, Fee, etc., Paid Offered, or Agreed to be Paid: None.

(vii) Sensitivity of Technology Contained in the Defense Article or Defense Services Proposed to be Sold: None.

(viii) Date Report Delivered to Congress: August 2, 2018.

*As defined in Section 47(6) of the Arms Export Control Act.

POLICY JUSTIFICATION

Kuwait—Munitions

The Government of Kuwait has requested to buy one thousand twenty (1,020) Mk-82 500 lb. bombs, one thousand two (1,002) Mk-83 1000 lb. bombs and six hundred (600) Mk-84 2000 lb. bombs. Also included in the sale are general purpose bomb components and fuzes, support and test equipment, publications and technical documentation, personnel training and training equipment, transportation, facilities and construction, U.S. Government and contractor technical and logistics support services, and other related elements of logistic and program support. The estimated cost is \$40.4 million.

This proposed sale will contribute to the foreign policy and national security of the United States by helping to improve the security of a regional partner which is an important force for political stability and economic progress.

The proposed sale will improve Kuwait's capability to meet current and future threats within the region. Kuwait intends to use these munitions with its current fleet of F/A-18 aircraft. Kuwait will have no difficulty absorbing these munitions and support into its armed forces.

The proposed sale of this equipment and support will not alter the basic military balance in the region.

The U.S. Air Force will award contracts when necessary to provide the defense articles ordered if items ordered are not available from U.S. stock or are considered lead-

time away. There are no known offset agreements proposed in connection with this potential sale.

Implementation of this proposed sale will not require the assignment of additional U.S. Government or contractor representatives to Kuwait.

There will be no adverse impact on U.S. defense readiness as a result of this proposed sale.

DEFENSE SECURITY
COOPERATION AGENCY,
Arlington, VA.

Hon. BOB CORKER,
Chairman, Committee on Foreign Relations,
U.S. Senate, Washington, DC.

DEAR MR. CHAIRMAN: Pursuant to the reporting requirements of Section 36(b)(1) of the Arms Export Control Act, as amended, we are forwarding herewith Transmittal No. 18-33, concerning the Army's proposed Letter(s) of Offer and Acceptance to the Government of Latvia for defense articles and services estimated to cost \$200 million. After this letter is delivered to your office, we plan to issue a news release to notify the public of this proposed sale.

Sincerely,

GREGORY M. KAUSNER
(For Charles W. Hooper, Lieutenant
General, USA, Director).

Enclosures.

TRANSMITTAL NO. 18-33

Notice of Proposed Issuance of Letter of Offer Pursuant to Section 36(b)(1) of the Arms Export Control Act, as amended

(i) Prospective Purchaser: Government of Latvia.

(ii) Total Estimated Value:

Major Defense Equipment* \$85 million.

Other \$115 million.

Total \$200 million.

(iii) Description and Quantity or Quantities of Articles or Services under Consideration for Purchase:

Major Defense Equipment (MDE):

Four (4) UH-60M Black Hawk Helicopters in standard USG configuration with designated unique equipment and Government Furnished Equipment (GFE).

Ten (10) T700-GE-701D Engines (8 installed and 2 spares).

Ten (10) Embedded Global Positioning Systems/Inertial Navigation Systems (8 installed and 2 spares).

Non-MDE: Also included is one (1) Aviation Mission Planning System, five (5) Talon Forward Looking Infrared Radar (FLIR) (4 production and 1 spare), ten (10) AN/ARC-201D/E (8 production and 2 spares), ten (10) AN/ARC-231 radios (8 production and 2 spares), five (5) AN/APX-123A Identification Friend or Foe (IFF) transponder (4 production and 1 spare), five (5) AN/ARC-220 Radio (4 production and 1 spare), twenty (20) AN/AVS-6 Helmet Mounted Night Vision Devices, aircraft warranty, air worthiness support, spare and repair parts, support equipment, communication equipment, publications and technical documentation, personnel training and training equipment, ground support equipment, site surveys, tool and test equipment, U.S. Government and contractor technical and logistics support services, and other related elements of logistics and program support.

(iv) Military Department: Army (LG-B-UDM).

(v) Prior Related Cases, if any: None.

(vi) Sales Commission, Fee, etc., Paid, Offered, or Agreed to be Paid: None.

(vii) Sensitivity of Technology Contained in the Defense Article or Defense Services Proposed to be Sold: See Attached Annex.

(viii) Date Report Delivered to Congress: August 3, 2018.

* As defined in Section 47(6) of the Arms Export Control Act.

POLICY JUSTIFICATION

Latvia—LH-60M Black Hawk Helicopters

The Government of Latvia has requested to buy four (4) UH-60M Black Hawk helicopters in standard USG configuration with designated unique equipment and Government Furnished Equipment (GFE), ten (10) T700-GE-701D engines (8 installed and 2 spares), ten (10) Embedded Global Positioning Systems/Inertial Navigation Systems (8 installed and 2 spares). Also included is one (1) Aviation Mission Planning System, five (5) Talon Forward Looking Infrared Radar (FLIR) (4 production and 1 spare), ten (10) AN/ARC-201D/E (8 production and 2 spares), ten (10) AN/ARC-231 radios (8 production and 2 spares), five (5) AN/APX-123A Identification Friend or Foe (IFF) transponder (4 production and 1 spare), five (5) AN/ARC-220 Radio (4 production and 1 spare), twenty (20) AN/AVS-6 Helmet Mounted Night Vision Devices, aircraft warranty, air worthiness support, spare and repair parts, support equipment, communication equipment, publications and technical documentation, personnel training and training equipment, ground support equipment, site surveys, tool and test equipment, U.S. Government and contractor technical and logistics support services, and other related elements of logistics and program support. The estimated total case value is \$200 million.

This proposed sale will support the foreign policy and national security of the United States by helping to improve the security of a NATO ally. These UH-60 helicopters will allow for interoperability with U.S. and NATO forces in rapid response to a variety of missions, and quick positioning of troops with minimal helicopter assets.

The sale of these UH-60 helicopters to Latvia will significantly increase its capability to provide troop lift, border security, anti-terrorist, medical evacuation, search and rescue, re-supply/external lift, and combat support in all weather. Latvia intends to use these helicopters to modernize its armed forces and expand its existing Army architecture in its efforts to provide multi-mission support in the region. Latvia will have no difficulty absorbing these helicopters into its armed forces.

The proposed sale of this equipment and support will not alter the basic military balance in the region.

The prime contractors will be Sikorsky Aircraft Company in Stratford, Connecticut; and General Electric Aviation Company (GEAC) in Lynn, Massachusetts. There are no known offset agreements in connection with this potential sale.

Implementation of this proposed sale may require the assignment of an additional three U.S. Government and five contractor representatives in country full-time to support the delivery and training for approximately two-to-five years.

There will be no adverse impact on U.S. defense readiness as a result of this proposed sale.

TRANSMITTAL NO. 18-33

Notice of Proposed Issuance of Letter of Offer Pursuant to Section 36(b)(1) of the Arms Export Control Act

Annex Item No. vii

(vii) Sensitivity of Technology:

1. The UH-60M aircraft is a medium lift four bladed aircraft which includes two T-700-GE 701D Engines. The aircraft has four Multifunction Display (MFD), which provides aircraft system, flight, mission, and communication management systems. The instrumentation panel includes four Multifunction Displays (MFDs), two Pilot and Co-

Pilot Flight Director Panels, and two Data Concentrator Units (DCUs). The Navigation System will have Embedded GPS/INS (EGIs), and two Advanced Flight Control Computer Systems (AFCC), which provide 4 axis aircraft control.

2. The H764-G EGI provides GPS and INS capabilities to the aircraft. The EGI will include Selective Availability Anti-Spoofing Module (SAASM) for secure GPS PPS if required. The EGI contains sensitive technology.

3. The AN/ARC-231, Very High Frequency/Ultra High Frequency (VHF/UHF), Line-of-Sight (LOS) Radio with frequency agile modes, Electronic counter-countermeasures (ECCM), UHF Satellite Communications (SATCOM), Demand Assigned Multiple Access (DAMA), Integrated Waveform (IW), Air Traffic Control (ATC) channel spacing is operator selectable in 5, 8.33, 12.5, and 25kHz steps. The antennas associated with this radio contain sensitive technology.

4. The AN/APX-123A, Identification Friend or Foe (IFF) Transponder, is a space diversity transponder and is installed on various military platforms. When installed in conjunction with platform antennas and the Remote Control Unit (or other appropriate control unit), the transponder provides identification, altitude, and surveillance reporting in response to interrogations from airborne, ground-based, and/or surface interrogators. This item contains sensitive technology.

5. The AN/ARC-201D/E, Single Channel Ground to Air Radio System (SINCARS), is a tactical airborne radio subsystem that provides secure, anti-jam voice and data communication. The integration of COMSEC and the Data Rate Adapter (DRA) combines three Line Replaceable Units into one and reduces overall weight of the aircraft.

6. The AN/ARN-149, Automatic Direction Finder (ADF) Receiver, is a low frequency radio that provides automatic compass bearing on any radio signal within the frequency range of 100 to 2199.5 kHz as well as navigation where a commercial AM broadcast signal is the only available navigation aid.

7. The AN/ARN-153, Tactical Airborne Navigation (TACAN) System, is a full featured navigational system that supports four modes of operation: receive mode; transmit receive mode; air-to-air receive mode; and air-to-air transmit-receive mode. The TACAN provides a minimum 500-watt transmit capability with selecting range ratios of 30:1 or 4:1 which is accomplished through the automatic gain control (AGC) enable/disable switch, the 1553 bus, or the RNAV (ARINC) input bus.

8. The AN/ARN-147, Very High Frequency (VHF) Omni Ranging/Instrument Landing System Receiver, that provides internal MIL-STD-1553B capability and is MIL-E-5400 class II qualified. It meets international operability requirements by providing 50-kHz channel spacing for 160-VOR and 40-localizer/glideslope channels.

9. The TALON Forward Looking Infrared Radar (TALON FLIR) is a compact multi-sensor thermal imaging system utilized for personnel recovery. Search and rescue missions are supported with the thermal imaging, daylight camera, and laser rangefinder payloads. Includes Joystick Control Unit (JCU).

10. AN/ARC-220, High Frequency (HF) Radio multifunctional, fully Digital Signal Processing (DSP) high frequency radio for rotary wing applications. Provides embedded Automatic Link Establishment (ALE), serial tone data modem, text messaging, GPS position reporting and anti-jam (ECCM) functions is Embedded ECCM and data modem.

11. EBC-406 (Emergency Locator Transmitter) is loaded with country unique codes (at delivery in country) that aid in the recovery of a down aircraft/personnel with a

loud beeping tone and flashing LED. The ELT transmits on 406.028 MHz, the civil 121.5 MHz, and the military 243.0 MHz emergency frequencies.

12. AN/AVS-6 (Helmet mounted Night Vision Goggles) is a lightweight, binocular, night vision imaging system developed by the US Army specifically for helicopter flying. The system can be mounted to a variety of aviator helmets, including the SPH-4B, HGU-56P, HGU-55/P, HGU-55/G, HGU-26/P and Alpha. A 25mm eye relief eyepieces easily accommodate eyeglasses. Low-profile battery pack improves aviator head mobility and increases battery life. Other features include flip-up/flop-down capability, simple binocular attachment, individual interpupillary adjustment, tilt, vertical and fore-aft adjustments to fit all aviators.

13. If a technologically advanced adversary were to obtain knowledge of specific hardware, the information could be used to develop countermeasures which might reduce weapons system effectiveness or be used in the development of a system with similar or advanced capabilities.

14. A determination has been made that Latvia can provide substantially the same degree of protection for sensitive technology being released as the U.S. Government. This proposed sustainment program is necessary to the furtherance of the U.S. foreign policy and national security objectives outlined in the policy justification.

15. All defense articles and services listed on this transmittal are authorized for release and export to the Government of Latvia.

DEFENSE SECURITY
COOPERATION AGENCY,
Arlington, VA.

Hon. BOB CORKER,
Chairman, Committee on Foreign Relations,
U.S. Senate, Washington, DC.

DEAR MR. CHAIRMAN: Pursuant to the reporting requirements of Section 36(b)(1) of the Arms Export Control Act, as amended, we are forwarding herewith Transmittal No. 18-29, concerning the Navy's proposed Letter(s) of Offer and Acceptance to the Government of Mexico for defense articles and services estimated to cost \$41.6 million. After this letter is delivered to your office, we plan to issue a news release to notify the public of this proposed sale.

Sincerely,

CHARLES W. HOOPER,
Lieutenant General, USA, Director.

Enclosures.

TRANSMITTAL NO. 18-29

Notice of Proposed Issuance of Letter of Offer Pursuant to Section 36(b)(1) of the Arms Export Control Act, as amended

(i) Prospective Purchaser: Government of Mexico.

(ii) Total Estimated Value:

Major Defense Equipment * \$14.0 million.

Other \$27.6 million.

Total \$41.6 million.

(iii) Description and Quantity or Quantities of Articles or Services under Consideration for Purchase:

Major Defense Equipment (MDE):

Six (6) Evolved Seasparrow Tactical Missiles (ESSM).

Two (2) Evolved Seasparrow Telemetry Missiles.

Non-MDE: Also included are one (1) MK56 VLS launcher (8-cell), eight (8) MK30 canisters, eight (8) MK783 shipping containers, spare and repair parts, support and test equipment, publications and technical documentation, training, USG/Contractor technical and engineering support services, and technical assistance.

(iv) Military Department: Navy.

(v) Prior Related Cases, if any:

MX-P-AAG (57mm and 25mm ammunition).

MX-P-AAN (Rolling Airframe Missile).

MX-P-AAO (Harpoon Block II Missile).

MX-P-AAS (MK54 Torpedo).

MX-P-SAA (MH-60R Helicopter and support).

(vi) Sales Commission, Fee, etc., Paid, Offered, or Agreed to be Paid: None.

(vii) Sensitivity of Technology Contained in the Defense Article or Defense Services Proposed to be Sold: See Attached Annex.

(viii) Date Report Delivered to Congress: August 8, 2018.

*As defined in Section 47(6) of the Arms Export Control Act.

POLICY JUSTIFICATION

Mexico—Evolved Seasparrow Missiles

The Government of Mexico has requested to buy six (6) Evolved Seasparrow tactical missiles (ESSM) and two (2) Evolved Seasparrow telemetry missiles. Also included are one (1) MK56 VLS launcher (8-cell), eight (8) MK30 canisters, eight (8) MK783 shipping containers, spare and repair parts, support and test equipment, publications and technical documentation, training, USG/Contractor technical and engineering support services, and technical assistance. The total estimated value is \$41 million.

This proposed sale will support the foreign policy and national security of the United States by helping to improve the security of a strategic regional partner. The sale of these shipboard systems to Mexico will significantly increase and strengthen Mexico's maritime capabilities. Mexico intends to use these defense articles and services to modernize its armed forces and expand its existing naval and maritime support of national security requirements.

Mexico intends to use the weapons systems on its Sigma 10514 Class ship. The systems will provide enhanced capabilities in effective defense of critical sea lanes. The proposed sale of these systems and support services will increase the Mexican Navy's maritime partnership potential and align its capabilities with existing regional navies. Mexico has not purchased these systems previously. Mexico will have no difficulty integrating this equipment into its armed forces.

The proposed sale of this equipment and support will not alter the basic military balance in the region.

The principal contractor will be Raytheon Missile Systems, Tucson, Arizona. There are no known offset agreements in connection with this potential sale.

Implementation of this proposed sale will not require the assignment of any additional U.S. Government and/or contractor representatives to Mexico.

There will be no adverse impact on U.S. defense readiness as a result of this proposed sale.

TRANSMITTAL NO. 18-29

Notice of Proposed Issuance of Letter of Offer Pursuant to Section 36(b)(1) of the Arms Export Control Act

Annex Item No. vii

(vii) Sensitivity of Technology:

1. The sale of Evolved Seasparrow missiles (ESSM) under this FMS case will result in the transfer of classified missile equipment to Mexico. Both classified and unclassified defense equipment and technical data will be transferred. The missile includes the guidance section, warhead section, transition section, propulsion section, control section and Thrust Vector Control (TVC) of which the guidance section and transition section are classified CONFIDENTIAL. Standard missile documentation to be provided under this FMS case will include:

a. Parametric documents (CONFIDENTIAL).

b. Missile Handling/Maintenance Procedures (UNCLASSIFIED).

c. General Performance Data (CONFIDENTIAL).

d. Firing Guidance (CONFIDENTIAL).

e. Dynamics Information (Confidential).

2. The sale of the Evolved Seasparrow Missiles (ESSM) under this FMS case will result in the transfer of sensitive technological information and/or restricted information contained in the missile guidance section. Certain operating frequencies and performance characteristics are classified SECRET because it could be used to develop tactics and/or countermeasures to reduce or defeat the missile effectiveness.

3. If a technologically advanced adversary were to obtain knowledge of the specific hardware and software elements, primarily performance characteristics, engagement algorithms, and transmitter specific frequencies, the information could be used to develop countermeasures that might reduce weapon system effectiveness.

4. A determination has been made that the recipient country can provide substantially the same degree of protection for the sensitive technology being released as the U.S. Government. This sale is necessary in furtherance of the U.S. foreign policy and national security objectives outlined in the Policy Justification.

5. All defense articles and services listed in this transmittal have been authorized for release and export to Mexico.

DEFENSE SECURITY
COOPERATION AGENCY,
Arlington, VA.

Hon. BOB CORKER,
Chairman, Committee on Foreign Relations,
U.S. Senate, Washington, DC.

DEAR MR. CHAIRMAN: Pursuant to the reporting requirements of Section 36(b)(1) of the Arms Export Control Act, as amended, we are forwarding herewith Transmittal No. 18-32, concerning the Army's proposed Letter(s) of Offer and Acceptance to the Government of the Netherlands for defense articles and services estimated to cost \$105 million. After this letter is delivered to your office, we plan to issue a news release to notify the public of this proposed sale.

Sincerely,

GREGORY M. KAUSNER
(For Charles W. Hooper, Lieutenant
General, USA Director).

Enclosures.

TRANSMITTAL NO. 18-32

Notice of Proposed Issuance of Letter of Offer Pursuant to Section 36(b)(1) of the Arms Export Control Act, as amended

(i) Prospective Purchaser: The Government of the Netherlands.

(ii) Total Estimated Value:

Major Defense Equipment * \$0 million.

Other \$105 million.

Total \$105 million.

(iii) Description and Quantity or Quantities of Articles or Services under Consideration for Purchase: Foreign Military Sales Case NE-B-WHJ, implemented on December 29, 2016, was below congressional notification threshold at \$65.5 million for the Recapitalization (RECAP) of the four (4) Netherlands Patriot Fire Units. The Netherlands has requested the case be amended to include the Launching Stations in the RECAP program. This amendment will push the current case above the notification threshold and thus requires notification of the entire case.

Major Defense Equipment (MDE): None.

Non-MDE: RECAP of four (4) Patriot Fire Units to include Radar Sets (RS). Radar Digital Processors (RDP), Engagement Control

Stations (ECS), Information and Coordination Central (ICC), Modem Man Stations (MMS), Launching Stations, and Post Deployment Build (PDB)-8 upgrades along with parts, tools, technical and engineering assistance, support services, testing, and other related elements of logistics and program support, which will produce fire units at the Configuration 3+ capability.

(iv) Military Department: Army (NE-B-WHJ).

(v) Prior Related Cases, if any: NE-B-WFX, NE-B-WEC, NE-B-WGF.

(vi) Sales Commission, Fee, etc., Paid, Offered, or Agreed to be Paid: None.

(vii) Sensitivity of Technology Contained in the Defense Article or Defense Services Proposed to be Sold: None.

(viii) Date Report Delivered to Congress: September 5, 2018.

*As defined in Section 47(6) of the Arms Export Control Act.

POLICY JUSTIFICATION

The Netherlands—Patriot Recapitalization (RECAP)

The Netherlands has requested Recapitalization (RECAP) of four (4) Netherlands Patriot Fire Units. RECAP includes Radar Sets (RS), Radar Digital Processors (RDP), Engagement Control Stations (ECS), Information and Coordination Central (ICC), Modem Man Stations (MMS), Launching Stations, and Post Deployment Build (PDB)-8 upgrades along with parts, tools, technical and engineering assistance, support services, testing, and other related elements of logistics and program support, which will produce fire units at the Configuration 3+ capability. The total estimated program cost is \$105 million.

This proposed sale will support the foreign policy and national security objectives of the United States by improving the security of a NATO Ally, which is an important force for political stability and economic progress in the European region.

This sale improves the Netherlands' capability to meet current and future enemy threats. The Netherlands will use the enhanced capability to strengthen its homeland defense and deter regional threats, and provide direct support to coalition and security cooperation efforts. The Netherlands will have no difficulty absorbing this upgraded equipment and support into its armed forces.

The proposed sale of this equipment and support will not alter the basic military balance in the region.

U.S. Government personnel will conduct the RECAP at Letterkenny Army Depot. The purchaser typically requests offsets. There are no known offset agreements proposed in connection with this potential sale.

Implementation of this proposed sale will not require the assignment of any additional U.S. Government or contractor representatives to the Netherlands.

There will be no adverse impact on U.S. defense readiness as a result of this proposed sale.

TRANSMITTAL NO. 18-32

Notice of Proposed Issuance of Letter of Offer Pursuant to Section 36(b)(1) of the Arms Export Control Act

Annex Item No. vii

(vii) Sensitivity of Technology:

1. The Patriot Air Defense System contains CONFIDENTIAL hardware components, SECRET tactical software and CRITICAL/SENSITIVE. Patriot ground support equipment and Patriot missile hardware contain CONFIDENTIAL components and the associated launcher hardware is UNCLASSIFIED. The services requested represent significant technological advances for the Netherlands.

The Patriot Air Defense System continues to hold a significant technology lead over other surface-to-air missile systems around the world.

2. If a technologically advanced adversary were to obtain knowledge of the hardware and software elements, the information could be used to develop countermeasures or equivalent systems which might reduce system effectiveness or be used in the development of a system with similar or advanced capabilities.

3. A determination has been made that the Government of the Netherlands can provide substantially the same degree of protection for the sensitive technology being released as the U.S. Government. This sale is necessary in furtherance of the U.S. foreign policy and national security objectives outlined in the Policy Justification.

4. All defense articles and services listed in this transmittal have been authorized for release and export to the Netherlands.

DEFENSE SECURITY
COOPERATION AGENCY,
Arlington, VA.

Hon. BOB CORKER,
*Chairman, Committee on Foreign Relations,
U.S. Senate, Washington, DC.*

DEAR MR. CHAIRMAN: Pursuant to the reporting requirements of Section 36(b)(1) of the Arms Export Control Act, as amended, we are forwarding herewith Transmittal No. 18-38, concerning the Navy's proposed Letter(s) of Offer and Acceptance to the Government of Japan for defense articles and services estimated to cost \$3.135 billion. After this letter is delivered to your office, we plan to issue a news release to notify the public of this proposed sale.

Sincerely,

GREGORY M. KAUSNER
(For Charles W. Hooper, Lieutenant
General, USA Director).

Enclosures.

TRANSMITTAL NO. 18-38

Notice of Proposed Issuance of Letter of Offer Pursuant to Section 36(b)(1) of the Arms Export Control Act, as amended

(i) Prospective Purchaser: Government of Japan.

(ii) Total Estimated Value:

Major Defense Equipment* \$1.961 billion.

Other \$1.174 billion.

Total \$3.135 billion.

(iii) Description and Quantity or Quantities of Articles or Services under Consideration for Purchase:

Major Defense Equipment (MDE):

Nine (9) E-2D Advanced Hawkeye (AHE) Airborne Early Warning and Control (AEW&C) Aircraft.

Twenty eight (28) T56-A-427A Engines (18 installed and 10 spares).

Twelve (12) Multifunction Information Distribution System/Joint Tactical Radio System (MIDS/JTRS) Terminals (9 installed and 3 spares).

Ten (10) APY-9 Radars (9 installed and 1 spare).

Eleven (11) AN/AYK-27 Integrated Navigation Control and Display Systems (INCDS) (9 installed and 2 spares).

Thirty (30) LN-251 Embedded Global Positioning Systems/Inertial Navigation Systems (EGIs) with Embedded Airborne Selective Availability Anti-Spoofing Module (SAASM) Receiver (18 installed and 12 spares).

Non-MDE: Also included are aircraft ancillary equipment, modifications, spare and repair parts, support equipment, publications and technical documentation, software, personnel training and training equipment, ferry services, U.S. Government and contractor logistics, engineering, and technical

support services, and other related elements of logistics and program support.

(iv) Military Department: Navy (JA-P-SCW).

(v) Prior Related Cases, if any: JA-P-SCJ, JA-P-SCL, JA-P-SCM and JA-P-SCQ.

(vi) Sales Commission, Fee, etc., Paid, Offered, or Agreed to be Paid: None.

(vii) Sensitivity of Technology Contained in the Defense Article or Defense Services Proposed to be Sold: See Attached Annex.

(viii) Date Report Delivered to Congress: September 7, 2018.

*As defined in Section 47(6) of the Arms Export Control Act.

POLICY JUSTIFICATION

Japan—E-2D Advanced Hawkeye Airborne Early Warning and Control Aircraft

The Government of Japan has requested to buy nine (9) E-2D Advanced Hawkeye (AHE) Airborne Early Warning and Control (AEW&C) aircraft, twenty-eight (28) T56-A-427A engines (18 installed and 10 spares), twelve (12) Multifunction Information Distribution System/Joint Tactical Radio System (MIDS/JTRS) terminals (9 installed and 3 spares), ten (10) APY-9 Radars (9 installed and 1 spare), eleven (11) AN/AYK-27 Integrated Navigation Control and Display Systems (INCDS) (9 installed and 2 spares), thirty (30) LN-251 Embedded Global Positioning Systems/Inertial Navigation Systems (EGIs) with Embedded Airborne Selective Availability Anti-Spoofing Module (SAASM) Receiver (18 installed and 12 spares), and twelve (12) AN/ALQ-217 Electronic Support Measures (ESM, 9 installed and 3 spares). Also included are: aircraft ancillary equipment, modifications, spare and repair parts, support equipment, publications and technical documentation, software, personnel training and training equipment, ferry services, U.S. Government and contractor logistics, engineering, and technical support services, and other related elements of logistics and program support. The total estimated program cost is \$3.135 billion.

This proposed sale will support the foreign policy and national security of the United States. Japan is one of the major political and economic powers in East Asia and the Western Pacific and is a key partner of the United States in ensuring peace and stability in that region. It is vital to U.S. national interests to assist Japan in developing and maintaining a strong and effective self-defense capability.

The proposed sale of E-2D AHE aircraft will improve Japan's ability to effectively provide homeland defense utilizing an AEW&C capability. Japan will use the E-2D AHE aircraft to provide AEW&C situational awareness of air and naval activity in the Pacific region and to augment its existing E-2C Hawkeye AEW&C fleet. Japan will have no difficulty absorbing these aircraft into its armed forces.

The proposed sale of this equipment and support does not alter the basic military balance in the region.

The principal contractor will be Northrop Grumman Corporation Aerospace Systems in Melbourne, Florida.

There are no known offset agreements proposed in connection with this potential sale. Any offset agreement will be defined in negotiations between the Purchaser and the prime contractor.

Implementation of this proposed sale will not require any additional U.S. Government or contractor personnel in Japan. However, U.S. Government or contractor personnel in-country visits will be required on a temporary basis in conjunction with program technical and management oversight and support requirements.

There will be no adverse impact on U.S. defense readiness as a result of this proposed sale.

TRANSMITTAL NO. 18-38

Notice of Proposed Issuance of Letter of Offer Pursuant to Section 36(b)(1) of the Arms Export Control Act

Annex Item No. vii

(vii) Sensitivity of Technology:

1. The E-2D Advanced Hawkeye (AHE) Airborne Early Warning and Control (AEW&C) provides detection and surveillance of regional surface and aircraft platforms through the use of the APY-9 radar, APX-122A Identification Friend or Foe (IFF), and ALQ-217 Electronic Support Measures (ESM) systems. The E-2D AHE provides area surveillance and detection, air intercept control, air traffic control, search and rescue assistance, communication relay and automatic tactical data exchange. The E-2D AHE is classified SECRET.

2. The APY-9 radar is a mechanically rotated, electronically scanned array, which utilizes Space Time Adaptive Processing technology to provide 360-degree detection and surveillance in high clutter environments. It is able to provide simultaneous detection and surveillance of surface and air units. The APY-9 radar is classified SECRET.

3. The MIDS JTRS (5) terminal provides enhanced Link 16 functionality, namely Concurrent Multi-netting with four channels (CMN-4) and Concurrent Contention Receive (CCR). CMN-4 is a Link 16 enhancement that increases the terminal capability from receiving only one Tactical Digital Information Link-J (TADIL-J) message packing structure per time slot to receive as many as four simultaneous message packing structures per time slot, each transmitted on a unique Link 16 net. The capability for current Link 16 terminals to receive only one TADIL-J message packing structure per time slot imposes complex network design constraints and prohibits network designers from making full use of the Link 16 spectrum capacity. CMN-4 relaxes these restrictions allowing for greater network planning flexibility and achieves a fourfold increase in receive message throughput for Link 16 terminals with this capability. CMN-4 is backwards compatible with JTIDS and MIDS-LVT, although legacy terminals would not be able to experience the increased throughput. CCR described the Link 16 terminal's ability to receive multiple messages in the same net within the same time slot. The MIDS-JTRS device itself is CCI and is not classified. The COMSEC keying material which is loaded into the device for IFF Mode 4/5 operations is classified SECRET.

4. The APX-122A IFF Interrogator and APX-123A IFF Transponder are identification systems designed for command and control. They provide the ability to distinguish friendly aircraft, vehicles, or forces, and to determine their bearing and range from the Interrogator. These devices have embedded COMSEC which contains SENSITIVE encryption algorithms and keying material. The APX-122A IFF Interrogator and APX-123A IFF Transponder devices themselves are CCI and are not classified. The COMSEC keying material which is loaded into the devices for IFF Mode 4/5 operations is classified SECRET.

5. The ALQ-217 Electronic Support Measure (ESM) system is used to detect, intercept, identify, locate, record, and/or analyze sources of radiated electromagnetic energy to support classification of unknown surface and airborne units. The ALQ-217 is classified SECRET.

6. The AN/AYK-27 Integrated Navigation Control and Display System serves as the network manager and the human machine interface for the E-2D navigation system. The AN/AYK-27 is an UNCLASSIFIED system.

7. The LN-251 Embedded Global Positioning Systems/Inertial Navigation Systems (EGIs) with embedded airborne Selective Availability Anti-Spoofing Module (SAASM) Receiver (ASR) system provides position, navigation and timing information to the E-2D via the Global Positioning Satellite system and an inertial measuring unit. The LN-251 is UNCLASSIFIED.

8. If a technologically advanced adversary obtained knowledge of the specific hardware or software in the proposed sale, the information could be used to develop countermeasures which might reduce weapons system effectiveness or be used in the development of a system with similar or advanced capabilities.

9. A Special Security Agreement (SSA) will be in place in order to provide additional security requirements for implementation by the Government of Japan to protect the advanced capabilities this aircraft provides. This sale is necessary in furtherance of the U.S. foreign policy and national security objectives outlined in the Policy Justification.

10. All defense articles and services listed in this transmittal have been authorized for release and export to Japan.

DEFENSE SECURITY
COOPERATION AGENCY,
Arlington, VA.

Hon. BOB CORKER,
Chairman, Committee on Foreign Relations,
U.S. Senate, Washington, DC.

DEAR MR. CHAIRMAN: Pursuant to the reporting requirements of Section 36(b)(1) of the Arms Export Control Act, as amended, we are forwarding herewith Transmittal No. 18-34, concerning the Navy's proposed Letter(s) of Offer and Acceptance to the Republic of Korea for defense articles and services estimated to cost \$2.1 billion. After this letter is delivered to your office, we plan to issue a news release to notify the public of this proposed sale.

Sincerely,

CHARLES W. HOOPER,
Lieutenant General, USA, Director.

Enclosures.

TRANSMITTAL NO. 18-34

Notice of Proposed Issuance of Letter of Offer Pursuant to Section 36(b)(1) of the Arms Export Control Act, as amended

(i) Prospective Purchaser: Republic of Korea.

(ii) Total Estimated Value:

Major Defense Equipment* \$1.54 billion.

Other \$56 billion.

Total \$2.10 billion.

(iii) Description and Quantity or Quantities of Articles or Services under Consideration for Purchase:

Major Defense Equipment (MDE):

Six (6) P-8A Patrol Aircraft, which includes:

Nine (9) Multifunctional Information Distribution System Joint Tactical Radio System 5 (MIDS JTRS) (one (1) for each aircraft, one (1) for the Tactical Operations Center, and two (2) spares).

Forty-two (42) AN/AAR-54 Missile Warning Sensors (six (6) for each aircraft and six (6) spares).

Fourteen (14) LN-251 with Embedded Global Positioning Systems (GPS)/Inertial Navigations Systems (EGIs) (two (2) for each aircraft and two (2) spares).

Non-MDE includes: Commercial engines; Tactical Open Mission Software (TOMS); Electro-Optical (EO) and Infrared (IR) MX-20HD; AN/AAQ-2(V)1 Acoustic System; AN/APY-10 Radar; ALQ-240 Electronic Support Measures; AN/ALE-47 Counter Measures Dispensing System; support equipment; operation support systems; maintenance trainer/classrooms; publications; software, engineer-

ing, and logistics technical assistance; foreign Liaison officer support, contractor engineering technical services; repair and return; transportation; aircraft ferry; and other associated training, logistics, support equipment and services.

(iv) Military Department: Navy (KS-P-SEJ).

(v) Prior Related Cases, if any: N/A.

(vi) Sales Commission, Fee, etc., Paid, Offered, or Agreed to be Paid: None.

(vii) Sensitivity of Technology Contained in the Defense Article or Defense Services Proposed to be Sold: See Annex Attached.

(viii) Date Report Delivered to Congress: September 13, 2018.

*As defined in Section 47(6) of the Arms Export Control Act.

POLICY JUSTIFICATION

Korea-P-8A Aircraft and Associated Support

The Republic of Korea (ROK) has requested to buy six (6) P-8A Patrol Aircraft, which includes: nine (9) Multifunctional Information Distribution System Joint Tactical Radio Systems 5 (MIDS JTRS 5) (one (1) for each aircraft, one (1) for the Tactical Operations Center (TOC) and two (2) as spares); fourteen (14) LN-251 with Embedded Global Positioning Systems (GPS)/Inertial Navigations Systems (EGIs) (two (2) for each aircraft and two (2) as spares); and forty-two (42) AN/AAR-54 Missile Warning Sensors (six (6) for each aircraft and six (6) as spares). Also included are commercial engines; Tactical Open Mission Software (TOMS); Electro-Optical (EO) and Infrared (IR) MX-20HD; AN/AAQ-2(V)1 Acoustic System; AN/APY-10 Radar; ALQ-240 Electronic Support Measures; AN/ALE-47 Counter Measures Dispensing System; support equipment; operation support systems; maintenance trainer/classrooms; publications; software, engineering, and logistics technical assistance; foreign liaison officer support; contractor engineering technical services; repair and return; transportation; aircraft ferry; and other associated training, logistics, support equipment and services. The total estimated program cost is \$2.1 billion.

The ROK is one of the closest allies in the INDOPACOM Theater. The proposed sale will support U.S. foreign policy and national security objectives by enhancing Korea's naval capabilities to provide national defense and significantly contribute to coalition operations.

The ROK procured and has operated U.S.-produced P-3 Maritime Surveillance Aircraft (MSA) for over 25 years, providing interoperability and critical capabilities to coalition maritime operations. The ROK has maintained a close MSA acquisition and sustainment relationship with the U.S. Navy over that period. The proposed sale will allow the ROK to modernize and sustain its MSA capability for the next 30 years. As a long-time P-3 operator, the ROK will have no difficulty transitioning its MSA force to P-8A.

The proposed sale of this equipment and support does not alter the basic military balance in the region.

The prime contractor will be The Boeing Company, Seattle, WA. Additional contractors include: ASEC; Air Cruisers Co LLC; Arnprior Aerospace, Canada; AVOX Zodiac Aerospace; BAE; Canadian Commercial Corporation (CCC)/EMS; Compass; David Clark; DLS or ViaSat, Carlsbad, CA; DRS; Exelis, McLean, VA; GC Micro, Petaluma, CA; General Dynamics; General Electric, UK; Harris; Joint Electronics; Lockheed Martin; Martin Baker; Northrop Grumman Corp, Falls Church, VA; Pole Zero, Cincinnati, OH; Raytheon, Waltham, MA; Raytheon, UK; Rockwell Collins, Cedar Rapids, IA; Spirit

Aero. Wichita, KS; Symmetries Telephonics, Farmingdale, NY; Terma, Arlington, VA; Viking; and WESCAM.

The purchaser typically requests offsets. There are no known offset agreements proposed in connection with this potential sale. Any offset agreement will be defined in negotiations between the Purchaser and the prime contractor.

Implementation of this proposed sale will require approximately three (3) U.S. government personnel and ten (10) contractor personnel to support the program in country.

There will be no adverse impact on U.S. defense readiness as a result of this proposed sale.

TRANSMITTAL NO. 18-34

Notice of Proposed Issuance of Letter of Offer Pursuant to Section 36(b)(1) of the Arms Export Control Act

Annex Item No. vii

(vii) Sensitivity of Technology:

1. The P-8A aircraft is a militarized version of the Boeing 737-800 Next Generation (NG) commercial aircraft. The P-8A is replacing the P-3C as the Navy's long-range Anti-Submarine Warfare (ASW), Anti-Surface Warfare (ASuW), Intelligence, Surveillance and Reconnaissance (ISR) aircraft. The overall highest classification of the P-8A weapon system is SECRET. The P-8A mission systems hardware is largely UNCLASSIFIED, while individual software elements (mission systems, acoustics, ESM, EWSP, etc.) are classified up to SECRET.

2. P-8A mission systems include:

a. Tactical Open Mission Software (TOMS). TOMS functions include environment planning, tactical aids, weapons planning aids, and data correlation. TOMS includes an algorithm for track fusion which automatically correlates tracks produced by on board and off board sensors.

b. Electro-Optical (EO) and Infrared (IR) MX-20HD. The EO/IR system processes visible EO and IR spectrum to detect and image objects.

c. AN/AAQ-2(V)1 Acoustic System. The Acoustic sensor system is integrated within the mission system as the primary sensor or the aircraft ASW missions. The system has multi-static active coherent (MAC) 64 sonobuoy processing capability and acoustic sensor prediction tools.

d. AN/APY-10 Radar. The aircraft radar is a direct derivative of the legacy AN/APS-137(V) installed in the P-3C. The radar capabilities include GPS Selective Availability Anti-Spoofing Module (SAASM), SAR and ISAR imagery resolutions, and periscope detection mode.

e. ALQ-240 Electronic Support Measures (ESM). This system provides real time capability for the automatic detection, location, measurement, and analysis of RF-signals and modes. Real time results are compared with a library of known emitters to perform emitter classification.

f. Electronic Warfare Self Protection (EWSP). The P-8A aircraft EWSP consists of the ALQ-213 Electronic Warfare Management System (EWMS), AN/AAR-54 Missile Warning Sensors and AN/ALE-47 Countermeasures Dispensing System (CMDs). The EWSP includes threat information. Technical data and documentation to be provided are UNCLASSIFIED.

g. Multifunctional Information Distribution System-Joint Tactical Radio System 5 (MIDS JTRS 5) is an advanced Link-16 Command, Control, Communications, and Intelligence (C3I) system incorporating high-capacity, jam-resistant, digital communication links for exchange of near real-time tactical information, including both data and vice, among air, ground, and sea elements. The MIDS JTRS 5 terminal hardware, publica-

tions, performance specifications, operational capability, parameters, vulnerabilities to countermeasures, and software documentation are classified CONFIDENTIAL. The classified information to be provided consists of that which is necessary for the operation, maintenance, and repair (through intermediate level) of the data link terminal, installed systems, and related software.

h. The Embedded Global Positioning System (EGI)-Inertial Navigation System (INS)/LN-25I is a sensor that combines Global Positioning System (GPS) and inertial sensor inputs to provide accurate location information for navigation and targeting. The EGI-INS/LN-25I is UNCLASSIFIED. The GPS cryptovariable keys needed for highest GPS accuracy are classified up to SECRET.

3. If a technologically advanced adversary were to obtain access of the P-8A specific hardware and software elements, systems could be reverse engineering to discover USN capabilities and tactics. The consequences of the loss of this technology, to a technologically advanced or competent adversary, could result in the development of countermeasures or equivalent systems, which could reduce system effectiveness or be used in the development of a system with similar advanced capabilities.

4. A determination has been made that the recipient government can provide substantially the same degree of protection for the technology being released as the U.S. Government. This sale is necessary in furtherance of the U.S. foreign policy and national security objectives outlined in the Policy Justification.

5. All defense articles and services listed in this transmittal have been authorized for release and export to the Republic of Korea.

DEFENSE SECURITY
COOPERATION AGENCY,
Arlington, VA.

Hon. BOB CORKER,
Chairman, Committee on Foreign Relations,
U.S. Senate, Washington, DC.

DEAR MR. CHAIRMAN: Pursuant to the reporting requirements of Section 36(b)(1) of the Arms Export Control Act, as amended, we are forwarding herewith Transmittal No. 18-35, concerning the Army's proposed Letter(s) of Offer and Acceptance to the Republic of Korea for defense articles and services estimated to cost \$501 million. After this letter is delivered to your office, we plan to issue a news release to notify the public of this proposed sale.

Sincerely,

CHARLES W. HOOPER,
Lieutenant General, USA, Director.
Enclosures.

TRANSMITTAL NO. 18-35

Notice of Proposed Issuance of Letter of Offer Pursuant to Section 36(b)(1) of the Arms Export Control Act, as amended

(1) Prospective Purchaser: Republic of Korea.

(ii) Total Estimated Value:

Major Defense Equipment * \$365 million.

Other \$136 million.

Total \$501 million.

(iii) Description and Quantity or Quantities of Articles or Services under Consideration for Purchase:

Major Defense Equipment (MDE):

Sixty-four (64) Patriot Advanced Capability-3 (PAC-3) Missile Segment Enhancement (MSE) Missiles.

Non-MDE: Also included are two (2) PAC-MSE Test Missiles, range and test programs, publications and technical documentations, training equipment, spare parts, personnel training, U.S. Government and contractor technical, engineering, and logistics support

services, and other related elements of logistics and program support.

(iv) Military Department: Army (KS-B-ZGT).

(v) Prior Related Cases, if any: None.

(vi) Sales Commission, Fee, etc., Paid, Offered, or Agreed to be Paid: None.

(vii) Sensitivity of Technology Contained in the Defense Article or Defense Services Proposed to be Sold: See Annex Attached.

(viii) Date Report Delivered to Congress: September 13, 2018.

*As defined in Section 47(6) of the Arms Export Control Act.

POLICY JUSTIFICATION

Korea—Patriot Advanced Capability-3 (PAC-3) Missile Segment Enhancement (MSE) Missiles

The Republic of Korea (ROK) has requested to buy sixty four (64) Patriot Advanced Capability-3 (PAC-3) Missile Segment Enhancement (MSE) Missiles. Also included are two (2) PAC-MSE Test Missiles, range and test programs, publications and technical documentations, training equipment, spare parts, personnel training, U.S. Government and contractor technical, engineering, and logistics support services, and other related elements of logistics and program support. The total estimated program cost is \$501 million.

The ROK is one of the closest allies in the INDOPACOM Theater. The proposed sale will support U.S. foreign policy and national security objectives by meeting Korea's legitimate security and defense needs.

The ROK will use the Patriot missile system to improve its missile defense capability, defend its territorial integrity and deter threats to regional stability. The proposed sale will increase the defensive capabilities of the ROK Military to guard against hostile aggression and shield the allies who train and operate within South Korea's borders. The ROK should have no difficulty absorbing this system into its armed forces.

The proposed sale of this equipment and support does not alter the basic military balance in the region.

The prime contractor will be Lockheed-Martin, Dallas, Texas. There are no known offset agreements expected to be proposed in connection with this potential sale.

Implementation of this proposed sale will not require the assignment of any additional U.S. Government or contractor representatives to the Republic of Korea.

There will be no adverse impact on U.S. defense readiness as a result of this proposed sale.

TRANSMITTAL NO. 18-35

Notice of Proposed Issuance of Letter of Offer Pursuant to Section 36(b)(1) of the Arms Export Control Act

Annex Item No. vii

(vii) Sensitivity of Technology:

1. The Patriot Air Defense System contains classified CONFIDENTIAL hardware components, SECRET tactical software and critical/sensitive technology. The Patriot Advanced Capability-3 (PAC-3) Missile Segment Enhancement (MSE) hardware is classified CONFIDENTIAL and the associated launcher hardware is UNCLASSIFIED. With the incorporation of the PAC-3 MSE missiles, the Patriot system will continue to hold a significant technology lead over other surface-to-air missile systems in the world.

2. The PAC-3 MSE sensitive/critical technology is primarily in the area of design and production know-how and primarily inherent in the design, development and/or manufacturing data related to certain components.

3. Information on system performance capabilities, effectiveness, survivability, missile seeker capabilities, select software/software documentation and test data are classified up to and including SECRET.

4. If a technologically advanced adversary were to obtain knowledge of the specific hardware and software elements, the information could be used to develop countermeasures that might reduce weapon system effectiveness or be used in the development of a system with similar or advanced capabilities.

5. A determination has been made that the recipient government can provide substantially the same degree of protection for the technology being released as the U.S. Government. This sale supports the U.S. foreign policy and national security objectives as outlined in the Policy Justification.

6. All defense articles and services listed in this transmittal have been authorized for release and export to the ROK.

DEFENSE SECURITY
COOPERATION AGENCY,
Arlington, VA.

Hon. BOB CORKER,
Chairman, Committee on Foreign Relations,
U.S. Senate, Washington, DC.

DEAR MR. CHAIRMAN: Pursuant to the reporting requirements of Section 36(b)(1) of the Arms Export Control Act, as amended, we are forwarding herewith Transmittal No. 18-05, concerning the U.S. Army's proposed Letter(s) of Offer and Acceptance to the Government of Egypt for defense articles and services estimated to cost \$99 million. After this letter is delivered to your office, we plan to issue a news release to notify the public of this proposed sale.

Sincerely,

CHARLES W. HOOPER,
Lieutenant General, USA, Director.

Enclosures.

TRANSMITTAL NO. 18-05

Notice of Proposed Issuance of Letter of Offer Pursuant to Section 36(b)(1) of the Arms Export Control Act, as amended

(i) Prospective Purchaser: Government of Egypt.

(ii) Total Estimated Value:

Major Defense Equipment* \$0 million.

Other \$99 million.

Total \$99 million.

(iii) Description and Quantity or Quantities of Articles or Services under Consideration for Purchase:

Major Defense Equipment (MDE):

Forty-six thousand (46,000) 120MM Target Practice—Tracer (M831A1) and 120MM Target Practice, Cone Stabilized, Discarding Sabot—(M865) Rounds.

Ten thousand (10,000) 120MM 4th-Generation Kinetic Energy-Tungsten (KE-W) A4 Armor-Piercing Fin-Stabilized Discarding Sabot with Tracer (APFSDS-T) Rounds.

Non-MDE: Also included are four thousand five hundred (4,500) 120MM Insensitive Munitions High Explosive with Tracer (IM HE-T) tank rounds, field implementation, testing inspections, spares and repair parts, support and test equipment, field support publications and technical data, U.S. government and contractor engineering and logistics support services, personnel training and training equipment, quality assurance team support services, preparation of ammunition for shipment, ammunition delivery, component improvement program and repair, other associated equipment and support, and other related elements of logistical and program support.

(iv) Military Department: Army (EG-B-VHH, EG-B-NGB, EG-B-VGS).

(v) Prior Related Cases, if any: EG-B-VAX, EG-B-NFP, EG-B-NFX, EG-B-UWB.

(vi) Sales Commission, Fee, etc., Paid, Offered, or Agreed to be Paid: None.

(vii) Sensitivity of Technology Contained in the Defense Article or Defense Services Proposed to be Sold: None.

(viii) Date Report Delivered to Congress: September 17, 2018.

*As defined in Section 47(6) of the Arms Export Control Act.

POLICY JUSTIFICATION

Egypt—120MM Tank Rounds

The Government of Egypt has requested to buy forty-six thousand (46,000) 120MM Target Practice—Tracer (M831A1) and 120MM Target Practice, Cone Stabilized, Discarding Sabot—(M865) rounds and ten thousand (10,000) 120MM 4th-Generation Kinetic Energy-Tungsten (KE-W) A4 Armor-Piercing Fin-Stabilized Discarding Sabot with Tracer (APFSDS-T) rounds. Also included are four thousand five hundred (4,500) 120MM Insensitive Munitions High Explosive with Tracer (IM HE-T) tank rounds, field implementation, testing inspections, spares and repair parts, support and test equipment, field support publications and technical data, U.S. government and contractor engineering and logistics support services, personnel training and training equipment, quality assurance team support services, preparation of ammunition for shipment, ammunition delivery, component improvement program and repair, other associated equipment and support, and other related elements of logistical and program support. The estimated cost is \$99 million.

This proposed sale will contribute to the foreign policy and national security of the United States by helping to improve the security of a friendly country that continues to be an important strategic partner in the Middle East.

The proposed sale will improve Egypt's capability to meet current and future threats and provide greater security for its critical infrastructure. Egypt will use the 120MM IM HE-T cartridges to maintain a strategic munitions inventory for its M1A1 tank fleet and in support of operations against militants affiliated with the Islamic State of Iraq and Syria in the Sinai. They will use the target practice rounds to train M1A1 crews in proper crew procedures in a training environment using munitions that cost a fraction of tactical rounds and have nearly zero explosive or penetrating capability. Egypt has been producing this type of ammunition under an existing coproduction agreement for approximately 15 years. Egypt intends to use the APFSDS-T rounds to replace older model 120MM KE-W, KE-W A1, and KE-W A2 ammunition to maintain a strategic munitions inventory for its M1A1 tank fleet. Egypt will have no difficulty absorbing these munitions into its armed forces.

The proposed sale of the munition and support will not alter the basic military balance in the region.

The prime contractor involved in this program is General Dynamics Ordnance and Tactical Systems, St. Petersburg, FL. There are no known offset agreements proposed in connection with this potential sale.

Implementation of this proposed sale will involve multiple trips to Egypt involving up to six (6) U.S. Government and contractor representatives over a period of up to 5 years.

There will be no adverse impact on U.S. defense readiness as a result of this proposed sale.

DEFENSE SECURITY
COOPERATION AGENCY,
Arlington, VA.

Hon. BOB CORKER,
Chairman, Committee on Foreign Relations,
U.S. Senate, Washington, DC.

DEAR MR. CHAIRMAN: Pursuant to the reporting requirements of Section 36(b)(1) of the Arms Export Control Act, as amended, we are forwarding herewith Transmittal No.

18-36, concerning the Navy's proposed Letter(s) of Offer and Acceptance to the Government of the United Kingdom for defense articles and services estimated to cost \$90 million. After this letter is delivered to your office, we plan to issue a news release to notify the public of this proposed sale.

Sincerely,

GREGORY M. KAUSNER
(For Charles W. Hooper, Lieutenant
General, USA, Director).

Enclosures.

TRANSMITTAL NO. 18-36

Notice of Proposed Issuance of Letter of Offer Pursuant to Section 36(b)(1) of the Arms Export Control Act, as amended

(i) Prospective Purchaser: The Government of the United Kingdom.

(ii) Total Estimated Value:

Major Defense Equipment *\$80 million.

Other \$10 million.

Total \$90 million.

(iii) Description and Quantity or Quantities of Articles or Services under Consideration for Purchase:

Major Defense Equipment (MDE):

Three (3) SEAL Delivery Vehicles (SDV) MK 11 Shallow Water Combat Submersibles (SWCS).

Non-MDE: Also included are spares; handling equipment; test equipment; operator manuals and technical documentation; U.S. Government and contractor engineering, training, technical, and logistical support services; and other related elements of logistics and program support.

(iv) Military Department: Navy (UK-P-SAO).

(v) Prior Related Cases, if any: (Predecessor SDV MK 8 Mod 1) UK-P-MVJ, UK-P-BQO, UK-P-BSM, UK-P-BSP, UK-P-LIP, UK-P-GXV, UK-P-MVY, UK-P-GYY, UK-P-BTN, UK-P-BTM, UK-P-TGJ, and UK-P-FBL.

(vi) Sales Commission, Fee, etc., Paid, Offered, or Agreed to be Paid: None.

(vii) Sensitivity of Technology Contained in the Defense Article or Defense Services Proposed to be Sold: See Attached Annex.

(viii) Date Report Delivered to Congress: September 19, 2018.

*As defined in Section 47(6) of the Arms Export Control Act.

POLICY JUSTIFICATION

United Kingdom—SEAL Delivery Vehicle (SDV) MK 11 Shallow Water Combat Submersibles (SWCS)

The Government of the United Kingdom (UK) has requested to buy three (3) SEAL Delivery Vehicles (SDV) MK 11 Shallow Water Combat Submersibles (SWCS). Also included are spares; handling equipment; test equipment; operator manuals and technical documentation; U.S. Government and contractor engineering, training, technical, and logistical support services; and other related elements of logistics and program support. The total estimated program cost is \$90 million.

This proposed sale will support U.S. foreign policy and national security objectives of the United States by improving the security of a NATO ally which has been, and continues to be, an important partner on critical foreign policy and defense issues.

The proposed sale of the SDV MK 11 SWCS will continue UK's maritime partnership, interoperability, and regional security capability. The UK has a proven track record of successfully deploying predecessor system. The UK will have no difficulty absorbing this system into its armed forces.

The proposed sale of this equipment and support will not alter the basic military balance in the region.

The prime contractor will be Teledyne Brown Engineering, Inc. (TBE), Huntsville,

Alabama. There are no known offset agreements expected to be proposed in connection with this potential sale.

Implementation of this proposed sale will require multiple trips by USG and contractor representatives to participate in program and technical reviews, plus training and maintenance support in country as required.

There will be no adverse impact on U.S. defense readiness as a result of this proposed sale.

TRANSMITTAL NO. 18-36

Notice of Proposed Issuance of Letter of Offer Pursuant to Section 36(b)(1) of the Arms Export Control Act

Annex Item No. vii

(vii) Sensitivity of Technology:

1. The SEAL Delivery Vehicle (SDV) MK 11 Shallow Water Combat Submersibles (SWCS) is a free-flooding combat submersible mobility platform suitable for transporting and deploying forces and their payload for a variety of missions. The SDV MK 11 SWCS will provide increased volume, allowing for increased payload and personnel-carrying capacity. Additionally, performance in range, speed, maneuverability, and organic sensor capabilities will be enhanced over the existing SDV MK 8 Mod 1. The highest classification of the hardware in the proposed sale is SECRET. The highest classification of the technical documentation in the proposed sale is SECRET. The highest classification of the software to be exported is SECRET.

2. If a technologically advanced adversary obtains knowledge of the specific hardware and software elements, the information could be used to develop countermeasures or equivalent systems that might reduce weapon system effectiveness or be used in the development of a system with similar or advanced capabilities.

3. A determination has been made that the Government of the United Kingdom can provide substantially the same degree of protection for the sensitive technology being released as the U.S. Government. This proposed sale is necessary to the furtherance of the U.S. foreign policy and national security objectives outlined in the Policy Justification.

4. All defense articles and services listed in this transmittal are authorized for release and export to the Government of the United Kingdom.

DEFENSE SECURITY
COOPERATION AGENCY,
Arlington, VA.

Hon. BOB CORKER,
Chairman, Committee on Foreign Relations,
U.S. Senate, Washington, DC.

DEAR MR. CHAIRMAN: Pursuant to the reporting requirements of Section 36(b)(1) of the Arms Export Control Act, as amended, we are forwarding herewith Transmittal No. 18-37, concerning the Navy's proposed Letter(s) of Offer and Acceptance to the Government of the United Kingdom for defense articles and services estimated to cost \$75 million. After this letter is delivered to your office, we plan to issue a news release to notify the public of this proposed sale.

Sincerely,

CHARLES W. HOOPER,
Lieutenant General, USA, Director.

Enclosures.

TRANSMITTAL NO. 18-37

Notice of Proposed Issuance of Letter of Offer Pursuant to Section 36(b)(1) of the Arms Export Control Act, as amended

(i) Prospective Purchaser: The Government of the United Kingdom.

(ii) Total Estimated Value:

Major Defense Equipment* \$57 million.

Other \$18 million.

Total \$75 million.

(iii) Description and Quantity or Quantities of Articles or Services under Consideration for Purchase:

Major Defense Equipment (MDE): Fifty (50) MK 15 Phalanx Close-In Weapon System (CIWS) Block IB Baseline 2 Upgrade Kits.

Non-MDE: Also included are support equipment, test equipment, initial spare parts, technical documentation, training, and engineering technical assistance, and other related elements of logistics and program support.

(iv) Military Department: Navy (UK-P-LWD).

(v) Prior Related Cases, if any: UK-P-BRB, UK-P-FBH, UK-P-FBR, UK-P-GAH, UK-P-JZO, UK-P-KAX, UK-P-KPM, UK-P-KPQ, UK-P-LFK, UK-P-LGP, UK-P-LHD, and UK-P-LHO.

(vi) Sales Commission, Fee, etc., Paid, Offered, or Agreed to be Paid: None.

(vii) Sensitivity of Technology Contained in the Defense Article or Defense Services Proposed to be Sold: See Attached Annex.

(viii) Date Report Delivered to Congress: September 19, 2018.

*As defined in Section 47(6) of the Arms Export Control Act.

POLICY JUSTIFICATION

United Kingdom—Phalanx Baseline 2 Radar Upgrade Kits

The Government of the United Kingdom (UK) has requested to buy fifty (50) MK 15 Phalanx Close-in Weapon System (CIWS) Block IB Baseline 2 Upgrade Kits. Also included are support equipment, test equipment, initial spare parts, technical documentation, training, and engineering technical assistance, and other related elements of logistics and program support. The total estimated program cost is \$75 million.

This proposed sale will support U.S. foreign policy and national security objectives of the United States by improving the security of a NATO ally which has been, and continues to be, an important partner on critical foreign policy and defense issues.

The proposed sale of the Phalanx Baseline 2 Radar Upgrade Kits will be used for close-in ship self-defense against air and surface threats onboard the UK's naval combatants and auxiliaries. The UK, which already has earlier versions of the MK 15 Phalanx in its inventory, will have no difficulty absorbing these upgrades and support into its armed forces.

The proposed sale of this equipment and support will not alter the basic military balance in the region.

The prime contractor will be Raytheon Missile Systems, Tucson, AZ. There are no known offset agreements proposed in connection with this potential sale.

Implementation of this proposed sale will require multiple trips by U.S. Government and contractor representatives to participate in program and technical reviews, plus training and maintenance support in country as required.

There will be no adverse impact on U.S. defense readiness as a result of this proposed sale.

TRANSMITTAL NO. 18-37

Notice of Proposed Issuance of Letter of Offer Pursuant to Section 36(b)(1) of the Arms Export Control Act

Annex Item No. vii

(vii) Sensitivity of Technology:

1. The MK15 Phalanx Close-in Weapon System (CIWS) consists of a rapid-fire, computer-controlled radar and gun system mounted on a turret designed to defeat anti-ship missiles; small surface craft; low, slow aircraft; rockets; and mortars. The weapon

system automatically carries out search, detection, target threat evaluation, tracking, firing, and kill loop fire control that uses advanced radar and computer technology to locate, identify, and direct a system of armor piercing projectiles to the target. The Phalanx Block IB Baseline 2 Radar Upgrade Kits converts the system's radar from an analog to digital suite, significantly improving obsolescence of hardware. Some performance in range, speed, maneuverability, and organic sensor capabilities will be enhanced over the existing UK Phalanx system. These kits will allow for the UK to upgrade its current Block IB Baseline 1 systems via approved in-country Depot-Level Maintenance Facility (DLMF) capability. The highest classification of the hardware in the proposed sale is SECRET. The highest classification of the technical documentation in the proposed sale is SECRET. The highest classification of the operational software to be exported is SECRET.

2. If a technologically advanced adversary obtains knowledge of the specific hardware and software elements, the information could be used to develop countermeasures or equivalent systems that might reduce weapon system effectiveness or be used in the development of a system with similar or advanced capabilities.

3. A determination has been made that the Government of the United Kingdom can provide substantially the same degree of protection for the sensitive technology being released as the U.S. Government. This proposed sale is necessary to the furtherance of the U.S. foreign policy and national security objectives outlined in the Policy Justification.

4. All defense articles and services listed in this transmittal are authorized for release and export to the Government of the United Kingdom.

DEFENSE SECURITY
COOPERATION AGENCY,
Arlington, VA.

Hon. BOB CORKER,
Chairman, Committee on Foreign Relations,
U.S. Senate, Washington, DC.

DEAR MR. CHAIRMAN: Pursuant to the reporting requirements of Section 36(b)(1) of the Arms Export Control Act, as amended, we are forwarding herewith Transmittal No. 18-09, concerning the Air Force's proposed Letter(s) of Offer and Acceptance to the Taipei Economic and Cultural Representative Office in the United States (TECRO) for defense articles and services estimated to cost \$330 million. After this letter is delivered to your office, we plan to issue a news release to notify the public of this proposed sale.

Sincerely,

CHARLES W. HOOPER,
Lieutenant General, USA, Director.

Enclosures.

TRANSMITTAL NO. 18-09

Notice of Proposed Issuance of Letter of Offer Pursuant to Section 36(b)(1) of the Arms Export Control Act, as amended

(i) Prospective Purchaser: Taipei Economic and Cultural Representative Office in the United States (TECRO).

(ii) Total Estimated Value:

Major Defense Equipment* \$0.0 million.

Other \$330.0 million.

Total \$330.0 million.

(iii) Description and Quantity or Quantities of Articles or Services under Consideration for Purchase:

Major Defense Equipment (MDE): None.

Non-MDE: Foreign Military Sales Order (FMSO) II to provide funds for blanket order requisitions, under a Cooperative Logistics Supply Support Arrangement for stock replenishment supply of standard spare parts,

and repair/replace of spare parts in support of the F-16, C-130, F-5, Indigenous Defense Fighter (IDF), all other aircraft systems and subsystems, and other related elements of logistics and program support.

(iv) Military Department: Air Force (TW-D-KDT).

(v) Prior Related Cases, if any: TW-D-KDS, TW-D-KDR.

(vi) Sales Commission, Fee, etc., Paid, Offered, or Agreed to be Paid: None.

(vii) Sensitivity of Technology Contained in the Defense Article or Defense Services Proposed to be Sold: None.

(viii) Date Report Delivered to Congress: September 24, 2018.

*As defined in Section 47(6) of the Arms Export Control Act.

DEFENSE SECURITY
COOPERATION AGENCY,
Arlington, VA.

Hon. BOB CORKER,
Chairman, Committee on Foreign Relations,
U.S. Senate, Washington, DC.

DEAR MR. CHAIRMAN: Pursuant to the reporting requirements of Section 36(b)(1) of the Arms Export Control Act, as amended, we are forwarding herewith Transmittal No. 18-22, concerning the Army's proposed Letter(s) of Offer and Acceptance to the Government of Bahrain for defense articles and services estimated to cost \$300 million. After this letter is delivered to your office, we plan to issue a news release to notify the public of this proposed sale.

Sincerely,

CHARLES W. HOOPER,
Lieutenant General, USA, Director.

Enclosures.

TRANSMITTAL NO. 18-22

Notice of Proposed Issuance of Letter of Offer Pursuant to Section 36(b)(1) of the Arms Export Control Act, as amended

(i) Prospective Purchaser: Government of Bahrain

(ii) Total Estimated Value:

Major Defense Equipment * \$295 million.

Other \$5 million.

TOTAL \$300 million.

(iii) Description and Quantity or Quantities of Articles or Services under Consideration for Purchase:

Major Defense Equipment (MDE):

One hundred twenty (120) Guided Multiple Launch Rocket System (GMLRS) M31

Unitary Rocket Pods (Six (6) rockets per pod for a total of seven hundred twenty

(720) One hundred ten (110) Army Tactical Missiles System (ATACMS) M57 T2K Unitary Missiles.

Non-MDE:

Also included are publications, personnel training and training equipment, software development, U.S. Government and contractor engineering, technical and logistics support services; and other related elements of logistical and program support.

(iv) Military Department: Army (BA-B-UKF).

(v) Prior Related Cases, if any: BA-B-UIV (GMLRS); BA-B-UJK (ATACMS).

(vi) Sales Commission, Fee, etc., Paid, Offered, or Agreed to be Paid: None.

(vii) Sensitivity of Technology Contained in the Defense Article or Defense Services Proposed to be Sold: See Attached Annex.

(viii) Date Report Delivered to Congress: September 28, 2018.

*As defined in Section 47(6) of the Arms Export Control Act.

POLICY JUSTIFICATION

Bahrain—M31 Guided Multiple Launch Rocket System (GMLRS) Unitary and Army Tactical Mission System (ATACMS) T2K Unitary Missile

The Kingdom of Bahrain has requested to buy one hundred twenty (120) Guided Mul-

tiple Launch Rocket System (GMLRS) M31 Unitary Rocket Pods (six (6) rockets per pod for a total of seven hundred twenty (720); and one hundred ten (110) Army Tactical Missiles System (ATACMS) M57 T2K Unitary missiles. Also included are publications, personnel training and training equipment, software development, U.S. Government and contractor engineering, technical and logistics support services; and other related elements of logistical and program support. The overall total estimated value is \$300 million.

This proposed sale will enhance the foreign policy and national security objectives of the United States by helping to improve the security of a Major Non-NATO Ally that has been, and continues to be an important force for political stability and economic progress in the Middle East. The proposed sale of the M31 GMLRS Unitary Rocket Pods and ATACMS T2K Unitary Missile will improve Bahrain's capability to meet current and future threats and provide greater security for its critical oil and natural gas infrastructure, and significant national events. Bahrain will use the enhanced capabilities to strengthen its homeland defense and deter regional threats. Bahrain will have no difficulty absorbing these rocket pods into its armed forces.

The proposed sale of this equipment and support will not alter the basic military balance in the region.

The prime contractor will be Lockheed Martin Missile and Fire Control in Grand Prairie, TX. There are no known offset agreements proposed in connection with this potential sale.

Implementation of this proposed sale will not require the assignment of any additional U.S. or contractor representatives in Bahrain.

There will be no adverse impact on U.S. defense readiness as a result of this proposed sale.

TRANSMITTAL NO. 18-22

Notice of Proposed Issuance of Letter of Offer Pursuant to Section 36(b)(1) of the Arms Export Control Act

Annex Item No. vii

(vii) Sensitivity of Technology:

1. The GMLRS M31 Unitary is the Army's primary munition for units fielding the High Mobility Artillery Rocket Systems (HIMARS) and Multiple Launcher Rocket Systems (MLRS) M270A1 Rocket and Missile Launcher platforms. The M31 Unitary is a solid propellant artillery rocket that uses Global Positioning System (GPS)-aided inertial guidance to accurately and quickly deliver a single high-explosive blast fragmentation warhead onto point targets at ranges from 15-70 kilometers. The rockets are fired from a launch pod container that also serves as the storage and transportation container for the rockets. Each rocket pod holds six (6) total rockets.

2. The GMLRS Unitary employs a multi-mode fuze consisting of an Electronic Safe and Arm Fuze (ESAF) and a Frequency-Modulating Continuous Wave—Directional Doppler Ranging (FMCW-DDR) height of burst sensor. The weapon has three fuzing modes point detonating, post-impact time delay, and proximity height of burst—which are all accomplished automatically via a launcher/fire control system electrical interface prior to launch. The height of burst sensor is not integrated with the fuze, but provides fire pulse input and interfaces with a mechanical fuze.

3. GMLRS hardware and operational software are UNCLASSIFIED. System performance characteristics are classified CONFIDENTIAL. Components of the GMLRS system are considered highly resistant to reverse engineering and the impact of loss or

diversion of the end item hardware would have minimum adverse impact.

4. The M57 ATACMS Unitary is a conventional, semi-ballistic missile which utilizes a 500-lb high explosive unitary warhead. It has a range of 70-270km and increased accuracy and lethality due to a GPS/PPS-aided guidance system. The ATACMS T2K is an upgraded missile variant which redesigned previous variants' components to compensate for obsolescence issues and lowered per-unit cost. Critical technologies on the M57 include the GPS antenna, laser-ring gyroscopes production processes involved in the Inertial Measurement Unit (IMU), and lithium thermal batteries used in missile guidance and control. ATACMS missile hardware and operational software are UNCLASSIFIED. Data table and mission critical data generator special applications software are classified CONFIDENTIAL. Performance and accuracy/lethality data are classified up to the SECRET level. System response time and trajectory data are classified CONFIDENTIAL.

5. The Army's FMCW-DDR height of burst technology is comprised of components and software requiring special production skills and is deemed state of the art. The sensitive aspects of the technology reside primarily the design, development, production, and manufacturing data for the related components (integrated circuits and flex cable assembly) and in the methodology required to integrate those components onto the flex cable assembly to process embedded data (the software, algorithm, and operating parameters). The sole technology aspect of the FMCW-DDR present in the M31 proximity height of burst sensor is the signal processing algorithm (i.e. processing techniques) modified specifically for use in the M31. The disclosure of know-how, software, and other associated documentation for this sensitive technology is not authorized under this sale.

6. If a technologically advanced adversary were to obtain knowledge of the specific hardware and software elements, the information could be used to develop countermeasures that might reduce weapon system effectiveness or be used in the development of a system with similar or advanced capabilities.

7. A determination has been made that Bahrain can provide substantially the same degree of protection of this technology as the U.S. Government. This proposed sale is necessary in furtherance of the U.S. foreign policy and national security objectives outlined in the Policy Justification. Moreover, the benefits to be derived from this sale, as outlined in the Policy Justification, outweigh the potential damage that could result if the sensitive technology were revealed to unauthorized persons.

8. All defense articles and services listed in this transmittal are authorized for release and export to the Government of Bahrain.

DEFENSE SECURITY
COOPERATION AGENCY,
Arlington, VA.

Hon. BOB CORKER,
Chairman, Committee on Foreign Relations,
U.S. Senate, Washington, DC.

DEAR MR. CHAIRMAN: Pursuant to the reporting requirements of Section 36(b)(1) of the Arms Export Control Act, as amended, we are forwarding herewith Transmittal No. 18-42, concerning the Army's proposed Letter(s) of Offer and Acceptance to the Government of Canada for defense articles and services estimated to cost \$300 million. After this letter is delivered to your office, we plan to issue a news release to notify the public of this proposed sale.

Sincerely,

CHARLES W. HOOPER,
Lieutenant General, USA, Director.

Enclosures.

TRANSMITTAL NO. 18-42

Notice of Proposed Issuance of Letter of Offer Pursuant to Section 36(b)(1) of the Arms Export Control Act, as amended

(i) Prospective Purchaser: Government of Canada.

(ii) Total Estimated Value:

Major Defense Equipment* \$0 million.

Other \$300 million.

Total \$300 million.

(iii) Description and Quantity, or Quantities of Articles or Services under Consideration for Purchase: Canadian Manned Airborne, Intelligence, Surveillance and Reconnaissance (C/MAISR) Platform.

Major Defense Equipment (MDE):

None.

Non-MDE: Three (3) King Air 350ER (extended range) aircraft with customer unique post-modifications for Intelligence, Surveillance and Reconnaissance (ISR) operations; three (3) WESCAM MX-15D Electro-Optical & Infrared Imaging Sensors; three (3) AN/AAR-47B(V)2 Missile and Laser Warning System (MWS); three (3) AN/ALE-47 Countermeasure Dispenser Systems (CMDS); three (3) VORTEX® Dual RF Ku LOS Transceivers; three (3) COMSEC Modules (KGV-135A); two (2) APM-424(V)5 Transponder Test Sets; five (5) KIV-77 Mode 4/5 crypto applique computers for IFF; three (3) AN/APX-119 IFF Digital Civil and Military Transponders; six (6) ARC-210 Multi-mode Voice and Data Transceivers; three (3) KG-250X NSA-Certified Type 1 Inline Network Encryptors (INE); technical data; mission equipment, communication and navigation equipment, special tools and test equipment, ground support equipment, airframe and engine spare parts, publications, MWO/ECPs, technical assistance, repair and return, training; and transportation of aircraft, and other related elements of logistics and program support.

(iv) Military Department: Army (CN-B-UBC).

(v) Prior Related Cases, if any: None.

(vi) Sales Commission, Fee, etc., Paid, Offered, or Agreed to be Paid: None.

(vii) Sensitivity of Technology Contained in the Defense Article or Defense Services Proposed to be Sold: See Attached Annex.

(viii) Date Report Delivered to Congress: October 3, 2018.

* As defined in Section 47(6) of the Arms Export Control Act.

POLICY JUSTIFICATION

Canada—King Air 350ER ISR Aircraft (Manned Airborne, Intelligence, Surveillance and Reconnaissance (MAISR) Platform)

The Government of Canada has requested to buy three (3) King Air 350ER (extended range) aircraft with customer unique post-modifications for Intelligence, Surveillance and Reconnaissance (ISR) operations; three (3) WESCAM MX-15D Electro-Optical & Infrared Imaging Sensors; three (3) AN/AAR-47B(V)2 Missile and Laser Warning System (MWS); three (3) AN/ALE-47 Countermeasure Dispenser Systems (CMDS); three (3) VORTEX® Dual RF Ku LOS Transceivers; three (3) COMSEC Modules (KGV-135A); two (2) APM-424(V)5 Transponder Test Sets; five (5) KIV-77 Mode 4/5 crypto applique computers for IFF; three (3) AN/APX-119 IFF Digital Civil and Military Transponders; six (6) ARC-210 Multi-mode Voice and Data Transceivers; three (3) KG-250X NSA-Certified Type 1 Inline Network Encryptors (INE); technical data; mission equipment, communication and navigation equipment, special tools and test equipment, ground support equipment, airframe and engine spare parts, publications, MWO/ECPs, technical assistance, repair and return, training; and

transportation of aircraft, and other related elements of logistics and program support. Total estimated program cost is \$300 million.

This proposed sale will support the foreign policy and national security objectives of the United States by helping to improve the military capability of Canada, a NATO ally that is an important force for ensuring political stability and economic progress and a contributor to military, peacekeeping and humanitarian operations around the world.

The proposed sale improves Canada's capability to meet current and future threats; strengthen its homeland defense and the combined defense of North America; and support coalition partners overseas. This proposed sale will improve interoperability with U.S. forces and other regional allies. Canada will have no difficulty absorbing this equipment into its armed forces.

The proposed sale of this equipment and support will not alter the basic military balance in the region.

The principal contractor will be Beechcraft (Textron Aviation), Wichita, Kansas. The Government of Canada is expected to negotiate an offset agreement with Beechcraft, in accordance with Canada's Industrial and Technological Benefits (ITB) Policy, before signing the Letter of Offer and Acceptance (LOA).

Implementation of this proposed sale will require the assignment of contractor representatives to Canada on an intermittent basis over two years to provide in service contractor support.

There will be no adverse impact on U.S. defense readiness as a result of this proposed sale.

TRANSMITTAL NO. 18-42

Notice of Proposed Issuance of Letter of Offer Pursuant to Section 36(b)(1) of the Arms Export Control Act

Annex Item No. vii

(vii) Sensitivity of Technology:

1. The King Air 350ER (extended range) fixed-wing aircraft has been identified as Non-SME (Significant Military Equipment). It is a pressurized, twin-engine turboprop commercial aircraft configured as a cantilever low-wing monoplane with a T-tail and aft ventral fin. It has retractable tricycle landing gear with dual wheels on each main unit. The 350 series incorporates a 34-inch stretch of the King Air 300 fuselage and has one additional window per side. The wingspan has been increased by 3 feet over that of the model 300, and 24-inch graphite composite winglets have been added to the wingtips to reduce drag at higher angles of attack as in takeoff and climb out. The 350ER will feature the enhanced PT6A-67A engines and a Rockwell-Collins Proline Fusion cockpit. This aircraft (before modification) is generally offered to the public with no special restrictions.

2. Mission equipment:

a. The WESCAM MX-15D Electro-Optical & Infrared Imaging Sensor is a small Multi-Sensor, Multi-Spectral Imaging System with Inertial Measurement Unit (IMU) and Embedded with Global Positioning Systems (GPS) Standard Positioning Service (SPS). The WESCAM MX-15 camera system contains an LN-200 IMU manufactured by Northrop Grumman in the U.S., which is captured under (Missile Technology Control Regime) MTCR Annex, Category II—Item 9.A.6. The IMU is also ITAR controlled under USML Category XII(d), and in Canada it is controlled under Canada's Export Control List (ECL) under 6-9.A.6. WESCAM MX-15 is embedded with GPS SPS. SPS is a three-dimensional position and time determination capability provided to a user equipped with a minimum capability GPS SPS receiver in accordance with GPS national policy. Options

requested include: high definition (HD) IR sensor, laser spot tracker (LST), electro-optic narrow (EON) spotter with short-wave infrared (SWIR) imager, image blending function combining imagery from the IR sensor and the EO sensor (daylight or low-light) into a single image, and a hand controller for remote control. A bore sight module required to field calibrate the laser designator/range-finder beam will be provided as ground support equipment.

b. The AN/AAR-47B(V)2 Missile and Laser Warning System (MWS) is designed to protect helicopters and "low-slow" aircraft from infrared homing missiles. It passively detects attacking missiles while minimizing false alarms. When an attacking missile is detected, the AN/AAR-47B(V)2 displays a threat quadrant alert, sounds a warning tone to the aircrew, and can be configured to automatically actuate an installed countermeasures dispenser. In addition to the missile warning capability of the original AN/AAR-47B, the -V2 incorporates laser detecting and warning capability. The version offered includes the Smart Dispense capability. The AN/AAR-47B(V)2 hardware highest classification is UNCLASSIFIED. The AN/AAR-47B(V)2 is Significant Military Equipment.

c. The AN/ALE-47 Countermeasure Dispenser System (CMDS) provides an integrated, threat-adaptive, reprogrammable, computer controlled capability for dispensing expendable decoys. These include chaff, flares, Radio Frequency (RF) expendables and others. The AN/ALE-47 system enhances aircraft survivability in sophisticated threat environments. The system is designed to provide the capability of automatic or pilot commanded response, and works alone or in coordination with other countermeasures defensive systems to defeat Air Interceptor (AI), Anti-Aircraft Artillery (AAA), and Surface-to-Air Missiles (SAMs). The AN/ALE-47 is Significant Military Equipment.

d. The VORTEX® Dual RF Ku LOS Transceiver provides real-time, full-motion video and other data for situational awareness, targeting, Battle Damage Assessment (BDA), surveillance, relay, and other situations where eyes-on-target are required. VORTEX® can transmit and receive analog and/or digital data simultaneously. VORTEX® is interoperable with ROVER®, CDL, virtually all UAVs, targeting pods and other waveforms. VORTEX® can simultaneously transmit common data to multiple platforms using two different channels in one or two different bands. VORTEX® is able to receive on two different channels in one or two different bands from a single source. This band and channel diversity provides link redundancy, better reception and resiliency to platform shading, multipath interference, line-of-sight blockages and RF interference. VORTEX® is STANAG 7085 certified.

e. The KGV-135A is a high-speed, general purpose encryptor/decryptor module. It is used for wide-band data encryption embedded into high performance systems such as the VORTEX®. It has increased bandwidth and COMSEC operating modes in a compact multi-chip module. The KGV-135 operates at speeds of 2 Kbps to 700 Mbps and uses standard interface logic levels and key protocols. It is an NSA-certified INFOSEC product.

f. The APM-424(V)5 Transponder Test Set is used to test the transponder and interrogator performance of the AN/APX-119 IFF Digital Civil and Military Transponder. The Transponder Test Modes are 1,2,3/A, C, S (EHS/ELS), 4, and Mode 5 (Level 1 and 2). The Interrogator Test Modes are 1, 2, 3/A, C, S, 4, Mode 5, TCAS, ETCAS (Level 1 and 2). The APM-424(V)5 supports the KIV-77 Mode 4/5 crypto applique computer for IFF.

g. The KIV-77 Mode 4/5 crypto applique computer for IFF is Type 1 certified by the National Security Agency and provides information assurance for both legacy Mode 4 and new Mode 5 IFF equipment. The KIV-77 is used to store the classified keys and is also used with the APM-424(V)5 Transponder Test Set to support flight-line testing of the AN/APX-119 IFF Digital Civil and Military Transponder.

h. The AIN/APX-119, Identification Friend or Foe (IFF) Digital Civil and Military Transponder, is a small transponder installed on more than 50 different military platforms for the U.S. Department of Defense and multiple international users. This transponder enables aircraft to operate seamlessly throughout international, civil, and military airspace, meeting all IFF and ATC requirements. When installed in conjunction with platform antennas and the RCU (or other appropriate control unit), the transponder provides identification, altitude and surveillance reporting in response to interrogations from airborne, ground-based and/or surface interrogators. The transponder provides operational capabilities for Mark XII Identification Friend or Foe (IFF) capabilities of Modes 1, 2, 3/A, C and 4&5 and Mode S (levels 1, 2, and 3 capable). Additionally, the AN/APX-119 also provides automated ID, position and latitude of the aircraft, and is compatible with the Traffic Alert and Collision Avoidance System (TCAS) II equipment. The AN/APX-119 is designed to provide military aircraft with a secure combat identification capability to help reduce fratricide and enhance battlespace awareness, while providing safe access to civilian airspace. The AN/APX-119 is Significant Military Equipment.

i. The AN/ARC-210 Gen 5 is a secure communication system that provides Line-of-Sight (LOS) communications and Beyond Line-of-Sight (BLOS) satellite communications (SATCOM), as well Voice and data communications capabilities. In addition to Satellite Communications, the AN/ARC-231(V)(C) provides Secure/Electronic Counter-Counter Measures (ECCM) communications in the following waveform, The Single Channel Ground and Airborne System (SINCGARS) and the HAVE QUICK (HQ) I and II. The AN/ARC-210 functions by transmitting and receiving the Radio Frequency (RF) in the 30 MHz-941 MHz range. The Receiver Transmitter provides communication in Frequency Modulation (FM), Very High Frequency—Amplitude Modulation Air Traffic Control Band (VHF AM ATC), Very High Frequency—Frequency Modulation Public Service & Maritime Band, Ultra High Frequency—Amplitude Modulation (UHF AM) HAVEQUICK/Ground-Air Band, Ultra high Frequency Satellite (UHF SATCOM) Band and Ultra High Frequency—Frequency Modulation (UHF FM) Public Service Band. The ARC-210 is used on over 180 platforms worldwide for the transfer of networked or point-to-point data, voice and imagery. The ARC-210 military airborne transceivers provides an embedded, fully programmable INFOSEC capability under the National Security Agency's (NSA) Cryptographic Modernization Initiative. The ARC-210 is Significant Military Equipment.

j. The KG-250X NSA-Certified Type 1 Inline Network Encryptor (INE) provides high-speed HAIPE IP network encryption for advanced network security for coalition allies and Department of Homeland Security. It is MIL-STD-810G Rugged for Tactical and Mobile Applications. It is particularly useful at high altitudes to deliver reliable network encryption, (200 Mbps Aggregate), for airborne missions. The KG-250X is remotely rekeyable from a physically secure location with HAIPE-to-HAIPE over-the-air/net key-

ing. The KGV-250X also improves performance over high-latency links with embedded TCP/IP acceleration and is software upgradeable. The KG-250X is NSA certified for TS/SCI and below.

k. The Technical Data to support the operations, maintenance, and Training for all aircraft communications, ASE, COMSEC, and ISR related equipment will be detailed enough (e.g., minimum Level II Engineering drawings) to allow support contractors and operators to independently conduct all ILS activities, implement obsolescence management, and support required Airworthiness activities. All aircraft operations and maintenance manuals are available to the public and have no ITAR restrictions. Technical Data for the mission equipment outlined above will be provided only to the level required to support operation, maintenance, and training. Maintenance is limited to the level required to provide immediate diagnostics and replacement or limited repair. No Technical Data or intellectual property sufficient in detail to support depot repair operations will be provided. The Technical Data for the mission equipment is Significant Military Equipment.

3. If a technologically advanced adversary were to obtain knowledge of the specific hardware and software elements, the information could be used to develop countermeasures that might reduce weapon system effectiveness or be used in the development of a system with similar or advanced capabilities.

4. A determination has been made that Canada can provide substantially the same degree of protection of this technology as the U.S. Government. This proposed sale is necessary in furtherance of the U.S. foreign policy and national security objectives outlined in the Policy Justification. Moreover, the benefits to be derived from this sale, as outlined in the Policy Justification, outweigh the potential damage that could result if the sensitive technology were revealed to unauthorized persons.

5. All defense articles and services listed in this transmittal are authorized for release and export to the Government of Canada.

DEFENSE SECURITY
COOPERATION AGENCY,
Arlington, VA.

Hon. BOB CORKER,
*Chairman, Committee on Foreign Relations,
U.S. Senate, Washington, DC.*

DEAR MR. CHAIRMAN: Pursuant to the reporting requirements of Section 36(b)(1) of the Arms Export Control Act, as amended, we are forwarding herewith Transmittal No. 18-41, concerning the Army's proposed Letter(s) of Offer and Acceptance to the Government of Iraq for defense articles and services estimated to cost \$82.50 million. After this letter is delivered to your office, we plan to issue a news release to notify the public of this proposed sale.

Sincerely,

GREGORY M. KAUSNER
(For Charles W. Hooper, Lieutenant
General, USA, Director).

Enclosures.

TRANSMITTAL NO. 18-41

Notice of Proposed Issuance of Letter of Offer Pursuant to Section 36(b)(1) of the Arms Export Control Act, as amended

(i) Prospective Purchaser: Government of Iraq.

(ii) Total Estimated Value:

Major Defense Equipment * \$00.20 million.
Other \$82.30 million.

Total \$82.50 million.

(iii) Description and Quantity or Quantities of Articles or Services under Consideration for Purchase: Five (5) Armed Bell

407GX Helicopters configured with the following equipment:

Major Defense Equipment (MDE):

Five (5) M240 7.62mm Machine Guns.

Non-MDE: Also included are five (5) RF-7850A Secure Communications Radios, five (5) AN/AAR-60 MILDS Automatic Plume Detectors, five (5) AN/ALE-47 Airborne Countermeasure Dispensing Systems, five (5) M3P .50 Caliber Machine Guns, five (5) M260 Rocket Launchers (APKWS Configuration), five (5) MX-15Di EO/IR Sensors, five (5) GAU-19 .50 Caliber Machine Guns, five (5) Pathfinder Mission Management Systems, five (5) ARES Weapon Management Systems, five (5) Mission Configurable Armament Systems (MCAS), night vision compatible lighting systems, aircraft intercommunications systems (ICS), cockpit and seat armor kits, and bifurcated exhaust infrared suppressor systems, operating manuals, spare parts, maintenance and operator training for radio systems, technical and logistics support services, and other related elements of logistical and program support.

(iv) Military Department: Army (IQ-B-AEA).

(v) Prior Related Cases, if any: IQ-B-VPN.

(vi) Sales Commission, Fee, etc., Paid, Offered, or Agreed to be Paid: None.

(vii) Sensitivity of Technology Contained in the Defense Article or Defense Services Proposed to be Sold: See Attached Annex.

(viii) Date Report Delivered to Congress: October 3, 2018.

*As defined in Section 47(6) of the Arms Export Control Act.

POLICY JUSTIFICATION

Iraq—Armed Bell 407GX Helicopters

The Government of Iraq has requested to buy five (5) Armed Bell 407GX helicopters configured with five (5) M240 7.62mm Machine Guns. Also included are five (5) RF-7850A Secure Communications Radios, five (5) AN/AAR-60 MILDS Automatic Plume Detectors, five (5) AN/ALE-47 Airborne Countermeasure Dispensing Systems, five (5) M3P .50 Caliber Machine Guns, five (5) M260 Rocket Launchers (APKWS Configuration), five (5) MX-15Di EO/IR Sensors, five (5) GAU-19 .50 Caliber Machine Guns, five (5) Pathfinder Mission Management Systems, five (5) ARES Weapon Management Systems, five (5) Mission Configurable Armament Systems (MCAS), night vision compatible lighting systems, aircraft intercommunications systems (ICS), cockpit and seat armor kits, and bifurcated exhaust infrared suppressor systems, operating manuals, spare parts, maintenance and operator training for radio systems, technical and logistics support services, and other related elements of logistical and program support. The total estimated program cost is \$82.5 million.

This proposed sale will support the foreign policy and national security of the United States by helping to improve the security of a strategic partner. The addition of five Bell 407GX helicopters will help compensate for the combat loss of seven IA407 helicopters in recent years and increase the Iraqi Security Forces' combat effectiveness against ISIS and other terrorist elements in Iraq. The 407GX variant—an upgrade from the current IA407 configuration—includes Advanced Precision Kill Weapon System (APKWS) launchers. Providing Iraq with this capability supports U.S. security goals by furthering the Iraqi Army Aviation Command's ability to counter terrorism and protect critical infrastructure. Iraq will have no difficulty absorbing this equipment into its armed forces. The proposed sale of this equipment and support will not alter the basic military balance in the region.

The principal contractors will be Bell, Fort Worth, TX; L3 WESCAM, Burlington, Ontario, Canada; Dillon, Scottsdale, AZ;

Tekfusion Global, Williamsburg, VA; Harris, Melbourne, FL; and Fulcrum Concepts, Mattaponi, VA. There are no known offset agreements associated with this proposed sale.

Implementation of this proposed sale will require approximately 17 contractor representatives to travel to Iraq in support of this effort. The GOI desires Contractor Logistics Support (CLS) presence in country.

There will be no adverse impact on U.S. defense readiness as a result of this proposed sale.

TRANSMITTAL NO. 18-41

Notice of Proposed Issuance of Letter of Offer Pursuant to Section 36(b)(1) of the Arms Export Control Act

Annex Item No. vii

(vii) Sensitivity of Technology:

1. The Bell 407GX Multi-Role Helicopter weapon system contains communications and target identification equipment, navigation equipment, aircraft survivability equipment, displays, and sensors. The airframe itself does not contain sensitive technology, however the pertinent equipment listed below will be either installed on the aircraft or included in the sale:

a. The Harris Falcon III RF-7850A Secure Communication Radio is a Multi-Channel Airborne Networking Radio that offers multi-channel and multiband capabilities. It integrates into a wide variety of platforms to support multiple missions, waveforms and modes of operation and provides two wide-band channels. The Harris Multi-channel Airborne Radio extends battlefield networks Beyond-Line-Of-Sight through tactical VHF/UHF networks to provide extended range and secure air-to-air and air-to-ground communications. The Harris Falcon III hardware is a commercial variant radio and the highest level of information that would be released in support of this transfer is at the UNCLASSIFIED level.

b. The AN/AAR-60 MILDS Automatic Plume Detector is a Missile Launch Detection System (MILDS)/Airborne Missile Protection System (AMPS) or AMPS-M and is based on the off-the-shelf product MILDS AN/AAR-60 UV-Sensor Units and features a MILDS Control and Display Unit (MCDU), an Inertial Measurement Unit (IMU) and Smart Dispensers (SD). The MILDS AMPS represents a complete Missile Protection System and will be used for stand alone installation and operation of an integrated missile warning and Counter Measures dispensing in helicopters. The highest level of information release in support of this transfer is at the UNCLASSIFIED level.

c. The M3P .50 Cal machine gun is a fully automatic .50 Cal (12.7x99mm NATO) machine gun specifically designed to be axially or coaxially mounted in pod or open-air gun configurations for airborne, land or sea weapon system applications. The M3P is a world exclusivity by FN Herstal and offers high firing rate for short time on target: 1,025 ± 75 RPM. The highest level of information release in support of this transfer is at the UNCLASSIFIED level.

d. The M260 Rocket Launcher with APKWS capability is a seven tube rocket launcher with a remote fuze setting function. Once the target is located, single or multiple pairs of the Hydra 70 APKWS folding-fin rockets can be launched toward the target when a predetermined time signal is sent to the electronic time fuze. The highest level of information release in support of this transfer is at the UNCLASSIFIED level.

e. The M240 is a general-purpose machine gun that uses 7.62 mm NATO ammunition. It can be mounted on a bipod, tripod, aircraft, or vehicle. The M240 is a belt-fed, air-cooled, gas-operated, fully automatic machine gun

that fires from the open bolt position. The highest level of information release in support of this transfer is at the UNCLASSIFIED level.

f. The MX-15Di EO/IR sensor is a multi-sensor imaging/lasing that can provide medium-altitude; Covert Intelligence, Surveillance & Reconnaissance (ISR), Armed Reconnaissance, CSAR and Target Designation missions. MX-15Di has HD imaging resolution from Electro-Optical (EO) and Infrared (IR) cameras, Short-wave IR imaging, Laser rangefinder/designator 3 laser illuminator. The highest level of information release in support of this transfer is at the UNCLASSIFIED level.

g. The GAU-19 machine is a low-cost weapon system that is designed to accept standard NATO .50 caliber M9-linked ammunition with a rate of fire of 1300 rounds per minute. The weapon provides highly effective firepower against area suppression and point targets, as well as being ideally suited for utility, scout and attack helicopters. The highest level of information release in support of this transfer is at the UNCLASSIFIED level.

h. The Pathfinder Mission Management System (MMS) is a modular customizable system that provides command and control of onboard navigation, communication, and peripheral electronic equipment. During target engagements, locations and range to target is passed from Pathfinder to the weapons management system. The highest level of information release in support of this transfer is at the UNCLASSIFIED level.

i. The ARES Weapons Management System (WMS) is a modular weapons management system that uses the aircraft's EO/IR monitor as the WMS interface using a touchscreen graphical user interface (GUI). The system is fully integrated with the MX-15Di sensors critical EO/IR functions that can be controlled through the user interface. The system provides aircraft steering commands and targeting overlays to guide the pilot into the proper launch constraints by consolidating mission execution tasks. The highest level of information release in support of this transfer is at the UNCLASSIFIED level.

j. The Mission Configurable Armament System (MCAS) is a plank type weapons mounting system. The MCAS was developed as a lightweight, high strength, multi-purpose, multi-airframe weapons platform utilizing up to 6 weapon stations. The highest level of information release in support of this transfer is at the UNCLASSIFIED level.

k. The AN/ALE-47 is a software reprogrammable dispenser for chaff and flares. It provides for either automatic or aircrew commanded response dispense capabilities. Specific dispense routines are sensitive and are specifically withheld from Iraq. The export version uses a country unique "look-up decision tree" for determining dispense routines. This software when loaded into the AN/ALE-47 is classified CONFIDENTIAL. Increased risk of exploitation is significantly reduced given that the software is in executable form only (i.e. binary code) and the actual dispense routines can be gained through visual observation, which is true for all coalition platforms flying in Iraq.

2. If a technologically advanced adversary obtained knowledge of the specific hardware or software in the proposed sale, the information could be used to develop countermeasures which might reduce weapons system effectiveness or be used in the development of a system with similar or advanced capabilities.

3. A determination has been made that the recipient government can provide substantially the same degree of protection for the technology being released as the U.S. Gov-

ernment. This sale supports the U.S. foreign policy and national security objectives as outlined in the Policy Justification.

4. All defense articles and services listed in this transmittal have been authorized for release and export to the Government of Iraq.

DISCHARGE PETITION—S.J. RES. 63

We, the undersigned Senators, in accordance with chapter 8 of title 5, United States Code, hereby direct that the Senate Committee on Health, Education, Labor, and Pensions be discharged from further consideration of S.J. Res. 63, a joint resolution providing for congressional disapproval under chapter 8 of title 5, United States Code, of the rule submitted by the Secretary of the Treasury, Secretary of Labor, and Secretary of Health and Human Services relating to "Short-Term, Limited Duration Insurance" and further, that the resolution be immediately placed upon the Legislative Calendar under General Orders.

Charles E. Schumer, Richard J. Durbin, Jack Reed, Maria Cantwell, Jeff Merkley, Cory A. Booker, Ron Wyden, Michael F. Bennet, Tammy Baldwin, Sherrod Brown, Tammy Duckworth, Benjamin L. Cardin, Sheldon Whitehouse, Edward J. Markey, Patrick J. Leahy, Debbie Stabenow, Bill Nelson, Gary C. Peters, Richard Blumenthal, Thomas R. Carper, Margaret Wood Hassan, Robert Menendez, Jon Tester, Chris Van Hollen, Angus King, Patty Murray, Doug Jones, Claire McCaskill, Joe Donnelly, Mazie Hirono, Mark R. Warner, Amy Klobuchar, Dianne Feinstein, Tina Smith, Elizabeth Warren, Kamala D. Harris, Bernard Sanders, Christopher A. Coons, Kirsten E. Gillibrand, Tom Udall, Martin Heinrich, Brian Schatz, Catherine Cortez Masto, Tim Kaine, Christopher Murphy, Robert P. Casey, Jr., Jeanne Shaheen.

TRIBUTE TO ANTHONY MCCLAIN

Mr. TESTER. Mr. President, today I wish to honor my staff director on the Senate Veterans' Affairs Committee Anthony McClain.

Tony quietly works behind the scenes, fighting for our Nation's veterans, Active Duty, National Guard, and Reserve servicemembers.

In recognition of his selfless service, the National Guard Association has awarded him the Patrick Henry Award for his "exceptionally strong support for the National Guard."

This award is presented to civilians who have distinguished themselves by superior service over an extended period of time in support of the Armed Forces.

I cannot think of a more deserving individual.

Since Tony began working in the Senate in 2004, he has worked hard to improve the lives of National guardsmen and their families. He cut his teeth as legislative assistant to Senator Blanche Lincoln, then I was lucky enough to personally hire him in 2010.

In my office, he wrote landmark legislation to expand guardsmen's access to a quality education, and he went to the mat for the Montana National Guard time and again.